Signal Beacons and Sounders

CATALOG 2025



Signal Tower Lights

Signal Beacons and Sounders

Heavy-Duty and Explosion Proof Signalings
Warning Light Bars
Aviation Obstruction Lights
Smart Factory Product
Industrial LED Lights
Performance Line - E Series



QlightGives you a Brighter Future

Qlight Gives You a Brighter Future!

Qlight has been contributed to an industrial safety and efficiency by producing several audible/ visual signaling devices and industrial LED lights since its establishment in 1986. Our technology and quality are highly reputable among various industries for example semiconductor manufacturing equipment, automobile industry, unmanned automation facility, steel production facility, shipbuilding industry, offshore plant, specialized unit for petrochemical industry based on diverse technology patents and core technologies such as LED light source, heat radiation technology, explosion proof design. Our established local corporations in South Korea and China, sales branches in the United States, Japan, Vietnam, and a global service network provides a distribution and sales system servicing over 80 countries that help Qlight reinforces industrial fields all over the world.





Qlight is

a representative of signaling device in Korea.

Qlight has been striving to accomplish our mission to provide visual and audible status indicating systems and solutions to enhance our customer's work safety and efficiency for the last three decades.

As a market leader, Qlight is going to accomplish our responsibility by introducing state of the art equipment and unmanned facilities.

1986 - 1995

Business foundation and consolidation

1986 Established Qlight

1993 Nominated for developing domestic explosion proof warning lights by Korean

Ministry of Science &

Technology

1996 - 2005

Growing as a signal transmission device specialist

2001 Established Shanghai

Qlight Electronic Co., Ltd. in China



2004 ISO 9001:2000 certificates acquired

2006 - 2017

Mission device specialist A great leap forward & business reconstruction

| 2010 | Established R&D Center |
|------|-----------------------------|
| 2011 | Selected as a venture |
| | company |
| 2011 | Selected as an INNO-BIZ |
| | firm which is an innovative |
| | tech company |
| 2014 | Selected as a promising |
| | export company by Small |
| | and Medium Business |
| | Administration(SMBA) |
| 2014 | Established the Qlight USA, |
| | Inc. in San Jose, CA. |
| 2016 | The second headquarter |



factory built



2018 to Present

New engines for growth

2019 Established Qidong factory



2019 Selected as a family friendly company by Ministry of Gender Equality and Family

2020 Selected as a small giants company by Small and Medium Business Administration(SMBA)

2021 Selected as a youth-friendly small giants company

2023 Selected as the best reading management company by the Ministry of Culture, Sports and Tourism of Korea

The 2nd growth and globalization



Qlight, the best professional company

Leading the improvement of industrial efficiency

Aiming for the first-class

Aiming for the first-class specialized company to contribute industrial efficiency and safety of customer based on the core competency of System, Variety, and Hi-quality

Global networks in 80 countries

Exporting to all over the world through global network spanning over 200 distribution channels in 80 countries and brightening industrial sites around the world

Continuous growth for about 35 years

Based on a partnership-oriented corporate culture and sharing management, we have grown continuously for 35 years since our founding and are recognized for our quality and technology.

Multi-variety production

Satisfying various needs of customers through systematic customer-customized production system for over 450 products

Quick

Prompt customer satisfaction and real time enterprise(RTE)

Question

Problem oriented thinking and creative problem solving are based on achieving strategic task.

Quality

Emphasis on product and service quality, workplace innovation and ethical management

Qualified

The most suitable company that leads the innovation of signaling device technology and industrial efficiency improvement



Core Competency



System

Delicate mechanism of the work realizes shorter lead time by effectively managing overall procedures such as purchasing, production, stock management, and distribution.



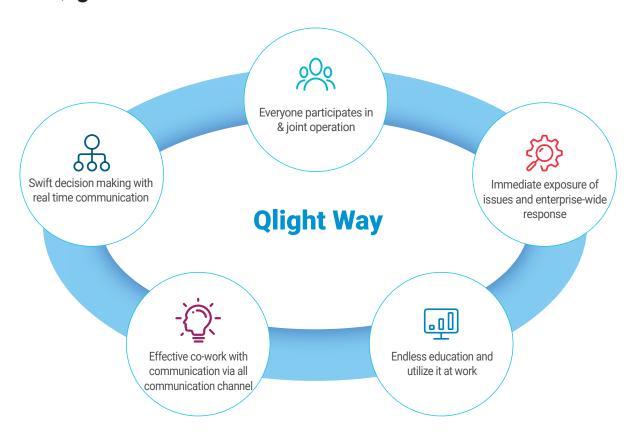
Broad-line

Customers are highly satisfied with Qlight products because we offer over 450 types of wide variety of product family with a systematic customized production system.



Supreme Quality Qlight's technological capability and supremacy of quality are being recognized because of our strict technology standard and inspection system. We've obtained over 22 certificates such as IECEx, ATEX, NEPSI, CCS, CE, and UL. We've been expanding it in accordance with industrial demands.

How Qlight works



Light Source of Warning Light/Signal Light

SELECTION OF WARNING LIGHT

The selection of signaling devices will depend on the particular situation and environment.

- · Whether the location of installation is dark or bright.
- · Whether the signal transmission range should be short or long, or should have good visibility.
- · Whether you need an economical but short lifetime product or upscale product with longer lifetime.
- \cdot Whether the environment is harsh with vibration and shock, or the environment is stable so that the life of the lights can be guaranteed.
- \cdot Whether it hugely or lightly affects ongoing task and safety when light source(bulb) of beacon is damaged at once.

01

Purpose

FACTORS TO CONSIDER IN SIGNAL SELECTION

| 01 | | 02 | | 03 | 04 | 05 |
|---------|---|------------------------|---|-------------|--------|---------------------|
| Purpose | / | Signal transmission | / | Environment | Budget | Ease of maintenance |





TYPE OF LIGHT SOURCE

Bulb

Light bulb is a light source that uses temperature reflection generated by the current flowing through the light bulb filament (thin line of metal), tungsten wire coil filament is often used. The hot filament is protected from oxidation with a glass sphere injected with inert gas (Argon gas, etc.). Typical characteristics of the gas injected bulb is described below.

- 1. When operating voltage is 10% lower than bulb's rated voltage, lifespan of product is quadrupled and power consumption is reduced to 85%.
- 2. On the contrary, when the operating voltage rises by 10%, lifespan of product becomes extremely short by 30% compared to the standard lifespan of a standard bulb (approx. 1,000 to 1,500 hours), and the power consumption rises by 16%. On the other hand, the brightness increases by 40%.

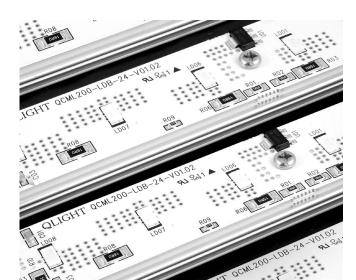
LED

The LED is a light emitting diode which emits light by injecting a current in the PN junction of the special semiconductor, semiconductors such as GaAs, GaP that Maximizes the electro-optical conversion effects are used. Like other semiconductors, over-voltage or ambient temperature affects the lifetime, but due to the absence of mechanical abrasion of the part, LED is shock/ vibration resistant so there is no need for proper seismic design. The standard service life of an LED is about 50,000 hours.

Xenon Lamp

Xenon lamp is a flash type light source that emits bright light instantly by inserting high energy into the lamp. Compared with the steady type lamp, xenon lamps need a lot of input power instantly and a extremely large amount of light it is diffused.

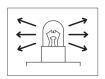
The lamp is filled with xenon(Xe) gas due to the convenience of the production(choice of materials), its use, xenon lamp was named after the xenon gas that it uses. xenon lamps are also resistant to vibration due to its mounting method. In addition, it is visible even in bright environments not only because the spectacle distribution of the visible light is close to the sunlight, it uses the same method as the strobe of the camera.



Warning Light/Indicator Light Operating Principle

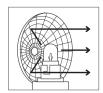
SELECTION OF WARNING LIGHT

The selection of signaling devices will depend on the particular situation and environment.



Bulb Steady/Flashing Type

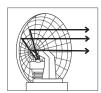
Highly diffusible light bulb that refracts light though a special lens and can be used in a steady or flashing state



Bulb Revolving Type

By combining a highly diffusible light bulb and a reflector, light is reflected in a parallel beam with a rotating cycle

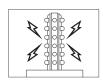
Our bulb revolving model has a long lifetime enabled by using a high durability bulb and a power transfer system that minimizes noise and abrasion



LED Revolving Type

The combination of an LED and a reflector creates a parallel light beam with a rotating cycle

LED Rotating model with reflector adopts a special light distribution and multiple reflection system that is obtained a patent by Qlight can emit the light intensively and evenly as same as a bulb rotating type with reflector. (Patent No.: 10-0889803, 10-0808669 and 20-2008-0002489)

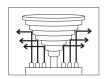


LED Strobe-Type

By shortening the LED flashing period and supplying the maximum current to the LED, It produces a flash effect just like the xenon lamp

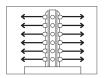






LED Steady/Flashing Type

The indirect light distribution system uses a special structure to radiate a uniform light signal throughout the entire body of the lens by using a multi-stage reflector

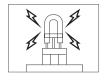


The direct light distribution system uses a high-intensity LED light and diffusion lens to transfer signal over a long distance. Qlight LED lights / flashing lights are equipped with two structures depending on the model type, Steady or Flashing Type



LED Simulated Revolving Type

By uniformly arranging the LED lens in a 360 degree circumferential direction, it will produce a flash in a regular rotating sequence The visual effect looks just the same as the revolving model



Xenon Lamp Strobe-Type

An intensive flashing light emitting model with short term energy consumption that can highly attract worker's attention. Better shock resistance than a conventional bulb and weaker than LED.

Since it adopts intensive xenon lamp light emitting into lens design, it can emit intensive signal light in all directions of the lens.



Waterproof and Dustproof Protection Structure



Comparing waterproof & dustproof protection structure

IP rating _ Known as "Ingress Protection rating" indicated in two-digit code showing the amount of protection against solid and the liquid(IEC60529)

First Number Second Number **Protection against solid Protection against liquid** IP 6 7 No protection No protection Protected against solid Protection against vertically objects over 50mm, 1 falling drops of water eg eg accidental touch by condensation persons hands Protected against solid Protection against direct objects over 125mm, sprays of water up to 2 eg persons fingers 15° from the vertical Protected against solid Protected against direct 3 objects over 25mm sprays of water up to 60° from the vertical (tools and wires) Protected against solid Protection against water objects over 1mm sprayed from all directions (tools, wires, and small - limited ingress permitted wires) Protected against low Protected against pressure jets of water 5 dust limited ingress from all directions - limited (no harmful deposit) Protected against temporary flooding of Totally protected water, eg for use on ship 6 6 against dust decks - limited ingress permitted Protected against the 7 effect of immersion between 15 cm and 1 m Protects against long periods of immersion 8 under pressure

NEMA SIZE

National Electrical Manufacturers Associations standard for enclosure protection rating, NEMA1-6 and 11-13 type is applicable in Non-Hazardous Locations, NEMA 7-10 is applicable in Hazardous Locations

| Туре | Usage place | Environment | Protection rating |
|------|-----------------------|---------------------|--|
| 1 | Indoor Use | Non-explosion proof | Intended for indoor use primarily to provide a degree of protection against limited amounts of falling dirt |
| 2 | Indoor Use | Non-explosion proof | Intended for indoor use primarily to provide a degree of protection against limited amounts of falling water and dirt |
| 3 | Outdoor Use | Non-explosion proof | Intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and damage from external ice formation |
| 3R | Outdoor Use | Non-explosion proof | Intended for outdoor use primarily to provide a degree of protection against rain, sleet; and damage from external ice formation, and must have a drain hole |
| 38 | Outdoor Use | Non-explosion proof | Intended for outdoor use primarily to provide a degree of protection against rain, sleet, windblown dust; and to provide for operation of external mechanisms when ice laden |
| 4 | Indoor/Outdoor | Non-explosion proof | Intended for indoor or outdoor use primarily to provide a degree of protection against windblown dust and rain, splashing water, hose directed water, and damage from external ice formation |
| 4X | Use | Non-explosion proof | Intended for indoor or outdoor use primarily to provide a degree of protection against corrosion, windblown dust and rain, splashing water, hose directed water; and damage from external ice formation |
| 5 | Indoor Use | Non-explosion proof | Intended for indoor use primary to provide |
| 6 | Indoor/Outdoor | Non-explosion proof | Intended for indoor or outdoor use primarily to provide a degree of protection against hose directed water, the entry of water during occasional temporary submersion at a limited depth; and damage from external ice formation |
| 6P | – Use | Non-explosion proof | Intended for indoor or outdoor use primarily to provide a degree of protection against hose-directed water, the entry of water during prolonged submersion at a limited depth; and damage from external ice formation |
| 7 | Outdoor Use | Explosion proof | Intended for indoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC |
| 8 | Indoor/Outdoor Use | Explosion proof | Intended indoor or outdoor use in locations classified as Class I, Groups A, B, C, or D, as defined in the NEC |
| 9 | Indoor Use | Explosion proof | Intended for indoor use in locations classified as Class II, Groups E, F, and G, as defined in the NEC |
| 10 | Indoor/Outdoor Use | Explosion proof | Are constructed to meet the applicable requirements of the Mine Safety and Health Administration (MSHA) |
| 11 | Indoor Use | Non-explosion proof | Protection from the corrosive effects of liquids and gases by oil immersion |
| 12 | Indoor Use | Non-explosion proof | Intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non-corrosive liquids |
| 12K | Indoor Use | Non-explosion proof | Intended knockouts are intended for indoor use primarily to provide a degree of protection against circulating dust, falling dirt, and dripping non corrosive liquids |
| 13 | Indoor Use | Non-explosion proof | Intended for indoor use primarily to provide a degree of protection against dust, spraying of water, oil, and non-corrosive coolant |
| | | | |

NEMA Ratings and IP Ratings Equivalency Chart

The chart below is for comparison between two enclosure ratings It is only for reference and these two rating standards are not exactly converted

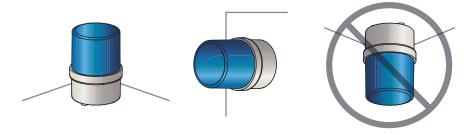
| NEMA ENCLOSURE TYPE | IP ENCLOSURE TYPE |
|---------------------|-------------------|
| 1 | IP20 |
| 2 | IP22 |
| 3 | IP55 |
| 4 | IP66 |
| 4X | IP66 |
| 6 | IP67 |
| 12 | IP54 |
| 13 | IP54 |
| | |

PRODUCT INSTALLATION DIRECTION

Install the product in accordance with the manual. otherwise, rainwater or moisture may penetrate into the product.

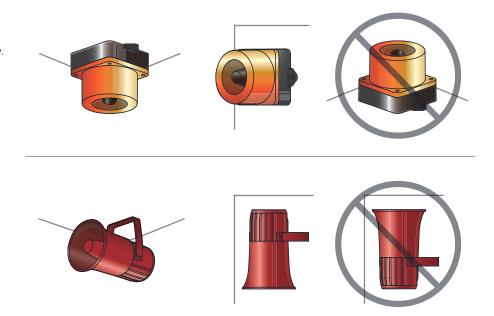
· BEACON/SIGNALING LIGHT

Power cord inlet part shall not be facing the sky.



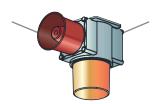
· ELECTRONIC SOUNDER /SIGNAL HORN

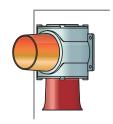
Sounder part shall not be facing the sky.



· HEAVY-DUTY & EXPLOSION PROOF SIGNALINGS

Sounder part shall not be facing the sky.

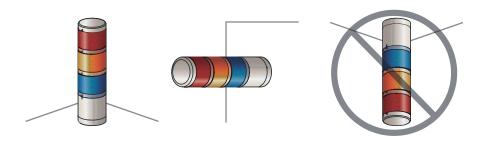






· SIGNAL TOWER LIGHTS

Power cord inlet part shall not be facing the sky.



 \divideontimes For products with a protection rating of less than IPX4, please install it vertically.

Pre-recorded Sound Tone and Sound Combination Chart

The combination of sounds(General)

17 pre-recorded sound tones for standard type products

| Sound Number | Sound Tone | Sound Number | Sound Tone |
|-----------------|-------------------------|-----------------|-------------------|
| SND01 | Fire.A-ANG | SND10 | Cuckoo's Waltz |
| SND02 | Emergency WA-U(Yelp) | SND11 | Piano Sonata |
| SND03 | Ambulance PI-PO(Hi-low) | SND12 | Turkish March |
| SND04 | Abandon Alarm | SND13 | Beep Intermittent |
| SND05 | Machinery Fault | SND14 | Door Chime |
| SND06 | High Expansion | SND15 | Phone Ring |
| SND07 | 7 Short Pl./1 Long | SND16 | PI.PI.PI Short |
| SND08 | Sweet Home | SND17 | Tripping Beat |
| SND09 | For Elise | | |

· Standard sound combination for WS/WP/WM/WA type products

| | ON: | = 1/0Fl | F = 0 |
|-----------|-----|---------|-------|
| ON OFF | | | |

17 sounds per combination can be selected according to your preference.4 combinations are available.

| No. | 1 | 2 | 3 | Ch1 | Ch2 | Ch3 | Ch4 | Ch5 |
|-----|---|---|---|----------------------------|-------------------------|--------------------------|--------------------------|-----------------------------|
| 0 | 0 | 0 | 0 | No sound | | | | |
| 1 | 0 | 0 | 1 | SND01 Fire.A-ANG | SND02 Emergency WA-U | SND03 Ambulance PI-P0 | SND05 Machinery Fault | SND06 High Expansion |
| 2 | 0 | 1 | 0 | SND01 Fire.A-ANG | SND04 Abandon Alarm | SND05 Machinery Fault | SND06 High Expansion | SND07 7 Short PI./1 Long |
| 3 | 0 | 1 | 1 | SND08 Sweet Home | SND09 For Elise | SND10 Cuckoo's Waltz | SND11 Piano Sonata | SND12 Turkish March |
| 4 | 1 | 0 | 0 | SND13 Beep Intermittent | SND14 Door Chime | SND15 Phone Ring | SND16 PI.PI.PI Short | SND17 Tripping Beat |

Sound tone combinations for standard type products

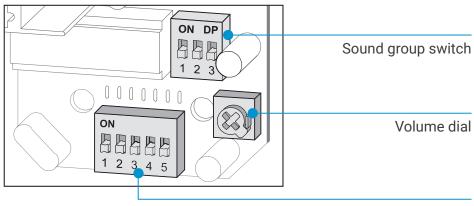


- $\cdot \text{5 types of sounds (5 warning sounds (WS), 5 special warning sounds (WP), 5 melodies (WM),} \\$
- 5 alarms (WA), and 5 voice signals (WV) can be selected and played individually.
- ·The signal wire lead-out type product replaces the channel selection switch with external wiring.

| | Sound Category | Channel | Sound Tone | Sound Combination # |
|----|-----------------------------|---------------------------------|---|------------------------|
| WS | 5 warning sounds | Ch1 Ch2 Ch3 Ch4 Ch5 | Fire.A-ANG Emergency WA-U(Yelp) Ambulance PI-PO(Hi-low) Machinery Fault High Expansion | WS/WP/WM/WA No.1 |
| WP | 5 special warning sounds | Ch1 Ch2 Ch3 Ch4 Ch5 | Fire.A-ANG Abandon Alarm Machinery Fault High Expansion 7 Short PI./1 Long | WS/WP/WM/WA No.2 |
| WM | 5 melodies | Ch1 Ch2 Ch3 Ch4 Ch5 | Sweet Home For Elise Cuckoo's Waltz Piano Sonata Turkish March | WS/WP/WM/WA No.3 |
| WA | 5 alarms | Ch1 Ch2 Ch3 Ch4 Ch5 | Beep Intermittent Door Chime Phone Ring PI.PI.PI Short Tripping Beat | WS/WP/WM/WA No.4 |
| WV | 5 customizable sound | Ch1 Ch2 Ch3 Ch4 Ch5 | Voice messages are pre-recorded and provided from factory upon user's request Each channel has recording space for 16 sec 5 channels available When only one channel is used, maximum recordable space is 80 sec | - |

- * Please refer to [Pre-recorded Sound Tone and Sound Combination Chart] for detailed information about selectable sound patterns.
- * In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Sound Selection of Signal Sounds



Channel selection switch Ch1-Ch5

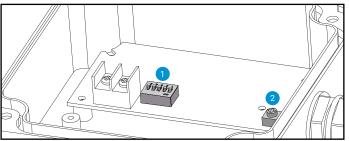
[·] Standard specification: Use internal switches Turn on dip switches of each channel, designated sound will be played.

Special Alarm Type Feature

How to set-up the special alarm type products

- A special alarm type products are classified into two models; basic model with special alarm and SD card (MP3) model.
- The 2 models have 31 built-in sounds, which can be chosen and played by binary input method.
- When storing MP3 files on the SD card (MP3) type models, you can select and play up to 31 sounds by using the binary input method. The bit input method can play 5 sound from #1 to #5, depending on the specifications given in the file name(For file specifications refer to Page30.)
- Includes eight play mode settings. For example, when the continuous playback setting/ function is selected the warning message is played continuously for conditions that require frequent playback.

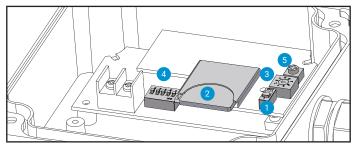
Built-in sound type model



- 1 Sound selection switch
- 2 Volume

*Built-in sound type model can select and play 31 sounds by using the sound selection switch.

SD card(MP3) type product feature



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- Play mode setting switch
- 4 Sound selection switch
- 5 Volume

SD card(MP3) type product feature

SOUND setting switch

- If the switch is ON the SD card (MP3) will be played, and if the switch is OFF the built-in sounds will be played.

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound setting switch to ON so the sounds can be played from the SD card.

3 PLAY MODE setting switch

- PLAY MODE setting switch is used to choose the channel input method or select various playing modes. Refer to the table below for switch features.
- Switch #0 and #9 is not used.

| 1 | Bit Input Mode | 5 sounds can be played from the selected group (choose one group from six groups) Play sound only once (if using sequential signal input or pulse signal input) |
|---|---|--|
| 2 | Binary Input Mode | Up to 31 sounds available for each model. Plays sound only once (sequential signal input only) |
| 3 | Bit Input Hold Playback Mode | 5 sounds can be played from the selected group (choose one group from six groups) The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly |
| 4 | Binary Input Hold Playback Mode | Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly |
| 5 | Bit Input Sound Reduction Mode | 5 sounds can be played from the selected group (choose one group from six groups) You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input) |
| 6 | Binary Input Sound Reduction Mode | Up to 31 sounds available for each model You can reduce the volume(15dB) by using a separate volume reduc- tion signal line (same as volume reduction signal input) |
| 7 | Bit Input Sequence Memory Playback Mode | 5 sounds can be played from the selected group (choose one group from six groups) If the sound is inputted in a order, it will remember the order and play each sound about 3 seconds. The last input channel is fully played (bit input mode only) |
| 8 | Test Mode | In test mode, Ch1 of group is automatically played back repeatedly. To end the test mode, switch back to the other modes. |
| | | |

4 Channel selection switch

- By using 5 channel selection switches, one can choose the appropriate sound source depending on the Binary input and Bit input.

5 VOLUME

- You can adjust the speakers sound output by using the volume dial.

Sound Pattern and Combination for Special Alarm Type

Sound pattern for special alarm type

- Special alarm type product has 31 pre-recorded sound tones.
- Supports binary input mode. 5ch switch allows for 31 sound tones.

· Composition of binary input mode



- · Left channel switch allows for choosing 31 sound tones.
- \cdot Channel switch will be substituted for an external wiring in case of LC type products.

| No. | 1 | 2 | 3 | 4 | 5 | Sound tone | Frequency |
|-----|---|---|---|---|---|--------------------------|---------------|
| 0 | 0 | 0 | 0 | 0 | 0 | No sound | |
| 1 | 0 | 0 | 0 | 0 | 1 | Rel rel rel | 730Hz-920Hz |
| 2 | 0 | 0 | 0 | 1 | 0 | Slow Ambulance PI-PO | 820Hz-1.05kHz |
| 3 | 0 | 0 | 0 | 1 | 1 | Oit Oit warning sound | 360Hz-1.56kHz |
| 4 | 0 | 0 | 1 | 0 | 0 | Emergency(Siren) | 770Hz-1.2kHz |
| 5 | 0 | 0 | 1 | 0 | 1 | Pi-buzzer | 770Hz |
| 6 | 0 | 0 | 1 | 1 | 0 | 7 Short Pl. / 1 Long | 715Hz |
| 7 | 0 | 0 | 1 | 1 | 1 | Pi o Pi o | 470Hz-1.14KHz |
| 8 | 0 | 1 | 0 | 0 | 0 | Phone Ring | 740Hz-910Hz |
| 9 | 0 | 1 | 0 | 0 | 1 | Pi-buzzer | 594Hz |
| 10 | 0 | 1 | 0 | 1 | 0 | Pi pi pi short | 420Hz |
| 11 | 0 | 1 | 0 | 1 | 1 | Di o Di o 2 tones buzzer | 594Hz-2.19KHz |
| 12 | 0 | 1 | 1 | 0 | 0 | Oit Oit warning sound | 500Hz-1.11kHz |
| 13 | 0 | 1 | 1 | 0 | 1 | Slow Ambulance PI-PO | 360Hz-470Hz |
| 14 | 0 | 1 | 1 | 1 | 0 | Slow Di o Di o | 680Hz-840Hz |
| 15 | 0 | 1 | 1 | 1 | 1 | Fast Li o li o | 360Hz-470Hz |

· Composition of binary input mode

ON = 1/OFF = 0













- \cdot Left channel switch allows for choosing 31 sound tones.
- · Channel switch will be substituted for an external wiring in case of LC type products.

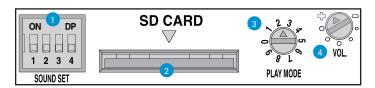
| No. | 1 | 2 | 3 | 4 | 5 | Sound tone | Frequency |
|-----|---|---|---|---|---|------------------------------|----------------|
| 16 | 1 | 0 | 0 | 0 | 0 | Fire.A-ANG | 770Hz-1.11kHz |
| 17 | 1 | 0 | 0 | 0 | 1 | Fast Ambulance PI-PO | 680Hz-840Hz |
| 18 | 1 | 0 | 0 | 1 | 0 | Slow Ambulance PI-PO | 640Hz-840Hz |
| 19 | 1 | 0 | 0 | 1 | 1 | Ri ro ri ro warning sound | 430Hz-470Hz |
| 20 | 1 | 0 | 1 | 0 | 0 | Repeat Di-o 3 times | 680Hz-840Hz |
| 21 | 1 | 0 | 1 | 0 | 1 | Fire.A-ANG | 430Hz-1.2KHz |
| 22 | 1 | 0 | 1 | 1 | 0 | Ambulance PI-PO | 680Hz-840Hz |
| 23 | 1 | 0 | 1 | 1 | 1 | Slow Fire.A-ANG | 480Hz-1.14kHz |
| 24 | 1 | 1 | 0 | 0 | 0 | Pi-pi- buzzer low frequency | 700Hz |
| 25 | 1 | 1 | 0 | 0 | 1 | Pi-pi- buzzer high frequency | 940Hz |
| 26 | 1 | 1 | 0 | 1 | 0 | Di-di- buzzer high frequency | 800Hz |
| 27 | 1 | 1 | 0 | 1 | 1 | Di-di- buzzer low frequency | 500Hz |
| 28 | 1 | 1 | 1 | 0 | 0 | Rising Po-ong | 470Hz-1.11KHz |
| 29 | 1 | 1 | 1 | 0 | 1 | Fast Ambulance PI-PO | 820Hz-1.05KHz |
| 30 | 1 | 1 | 1 | 1 | 0 | Rising frequency | 150Hz-1kHz |
| 31 | 1 | 1 | 1 | 1 | 1 | Repeat A-ANG | 1.4kHz-1.56kHz |
| | | | | | | | |

Multifunctional Type Feature

How to set up the multifunctional products(MP3)

- Multifunctional type products can play MP3 sounds by using an SD card and can also play WS (5 Warning sounds), WP (5 special warning sounds 1st Group), WM (5 Melodies), WA (5 Alarms), WO (5 special warning sounds 2nd Group), and WN (5 special warning sounds 3rd Group) when not using a SD card.
- Includes seven different functions. For example, it is able to playback the message continuously with the continuous playback function for warning message that needs to be repeated often.
- Among multifunctional products, the built-in sound model (-N) does not support SD card nor play mode.

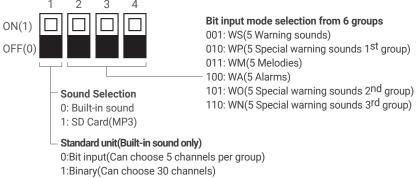
FUNCTION SETTING



- Sound setting switch
- MP3 playable SD Card slot
- Play mode setting switch
- 4 Volume

1 Sound setting switch

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



- 1:Binary(Can choose 30 channels)
- · 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- · External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- · A multi-functional product that can use an SD card for MP3 playback
- · Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound setting switch to ON so the sounds can be played from the SD card.

3 PLAY MODE setting switch

- PLAY MODE setting switch is used to choose the channel input method or select various playing modes. Refer to the table below for switch features.
- Switch #0 and #9 is not used.

| 1 | Bit Input Mode | 5 sounds can be played from the selected group (choose one group from six groups) Play sound only once (if using sequential signal input or pulse signal input) |
|---|---|--|
| 2 | Binary Input Mode | Up to 31 sounds available for each model. Plays sound only once (sequential signal input only) |
| 3 | Bit Input Hold Playback Mode | 5 sounds can be played from the selected group (choose one group from six groups) The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly |
| 4 | Binary Input Hold Playback Mode | Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (sequential signal input only) If the STOP signal is inputted, the sound is turned off, and if the STOP signal is disabled the sound is played repeatedly |
| 5 | Bit Input Sound Reduction Mode | 5 sounds can be played from the selected group (choose one group from six groups) You can reduce the volume(15dB) by using a separate volume reduction signal line (same as volume reduction signal input) |
| 6 | Binary Input Sound Reduction Mode | Up to 31 sounds available for each model You can reduce the volume(15dB) by using a separate volume reduc- tion signal line (same as volume reduction signal input) |
| 7 | Bit Input Sequence Memory Playback Mode | 5 sounds can be played from the selected group (choose one group from six groups) If the sound is inputted in a order, it will remember the order and play each sound about 3 seconds. The last input channel is fully played (bit input mode only) |
| 8 | Test Mode | In test mode, Ch1 of group is automatically played back repeatedly. To end the test mode, switch back to the other modes. |
| | | |

4 VOLUME

- You can adjust the speakers sound output by using the volume dial.

Multifunctional Type Feature

Sound patterns for multifunctional products

- Multifunctional product has 30 pre-recorded sound tones.
- 30 sound tones in binary input mode supported. Bit input mode has 5 sound tones within 1 group among 6 groups.

· Bit input mode's sound tone combinations

ON = 1/OFF = 0

ON Ch1 Ch2 Ch3 Ch4 Ch5

OFF

- · Left channel switch allows to select 5 tons individually within designated group. (For group selection, please refer to page 28 "How to set-up the multifunctional products")
- · Channel switch will be substituted for external wiring in case of LC type products.

| | Sound | Ch | Sound Tone | | Sound | Ch | Sound Tone |
|----|---------------------|-----|--------------------------------------|----|-------------------|-----|-------------------------------------|
| | | Ch1 | Fire.A-ANG(560Hz-1.5kHz) | | | Ch1 | Beep Intermittent |
| | | Ch2 | Emergency WA-U(Yelp)(600Hz-1.5kHz) | | | Ch2 | Door Chime |
| WS | 5 Warning Sounds | Ch3 | Ambulance PI-PO(Hi-low)(450Hz-900Hz) | WA | 5 Alarms | Ch3 | Phone Ring |
| | | Ch4 | Machinery Fault(820Hz) | | | Ch4 | PI.PI.PI Short |
| | | Ch5 | High Expansion(1kHz) | | | Ch5 | Tripping Beat |
| | | Ch1 | Fire.A-ANG(560Hz-1.5kHz) | | | Ch1 | Rel rel rel(730Hz-920Hz) |
| | 5 Special | Ch2 | Abandon Alarm(820Hz) | | 5 Special | Ch2 | Slow Ambulance PI-PO(820Hz-1.05kHz) |
| WP | Warning Sounds | Ch3 | Machinery Fault(820Hz) | WO | Warning Sounds | Ch3 | Wye yong Wye yong(770Hz-1.2kHz) |
| | (1st Group) | Ch4 | High Expansion(1kHz) | | (2nd Group) | Ch4 | Phone ring 2(740Hz-910Hz) |
| | | Ch5 | 7 Short Pl. / 1 Long(1kHz) | | | Ch5 | Fire.A-ANG(770Hz-1.11kHz) |
| | | Ch1 | Sweet Home | | | Ch1 | Oit Oit(500Hz-1.11kHz) |
| | | Ch2 | For Elise | | 5 Special | Ch2 | Pi o Pi o(940Hz-2.19kHz) |
| WM | 5 Melodies | Ch3 | Cuckoo's Waltz | WN | Warning Sounds | Ch3 | Slow Di o Di o(680Hz-840Hz) |
| | | Ch4 | Piano Sonata | | (3rd Group) | Ch4 | Li long Li ling(420Hz-470Hz) |
| | | Ch5 | Turkish March | | | Ch5 | 911 Siren(150Hz-1kHz) |

· Bit input mode's sound tone combinations

- · Left channel switch allows the user to select from 30 available sound tones.
- \cdot Channel switch will be substituted for external wiring in case of LC type products.

| No. | 1 | 2 | 3 | 4 | 5 | Sound tone | Frequency |
|-----|---|---|-------|---|---|-------------------------|---------------|
| 0 | 0 | 0 | 0 | 0 | 0 | No sound | requency |
| 1 | 0 | 0 | 0 | 0 | 1 | Fire.A-ANG | 560Hz-1.5kHz |
| | 0 | 0 | 0 | 1 | 0 | Emergency WA-U(Yelp) | 600Hz-1.5kHz |
| 3 | 0 | 0 | 0 | 1 | 1 | Ambulance PI-PO(Hi-low) | 450Hz-900Hz |
| 4 | 0 | 0 | 1 | 0 | 0 | Pi-ik Pi-ik | 820Hz |
| 5 | 0 | 0 | 1 | 0 | 1 | Machinery Fault | 820Hz |
| 6 | 0 | 0 | 1 | 1 | 0 | High Expansion | 1kHz |
| 7 | 0 | 0 | 1 | 1 | 1 | Alarm | 1kHz |
| | | | | | | | - |
| 8 | 0 | 1 | 0 | 0 | 0 | Sweet Home | |
| 9 | 0 | 1 | 0 | 0 | 1 | For Elise | <u>-</u> |
| 10 | 0 | 1 | 0 | 1 | 0 | Cuckoo's Waltz | |
| 11 | 0 | 1 | 0 | 1 | 1 | Piano Sonata | - |
| 12 | 0 | 1 | 1 | 0 | 0 | Turkish March | - |
| 13 | 0 | 1 | 1 | 0 | 1 | Magic Flute | - |
| 14 | 0 | 1 | 1 | 1 | 0 | Badinerie | - |
| 15 | 0 | 1 | 1 | 1 | 1 | Pineapple Rag | - |
| 16 | 1 | 0 | 0 | 0 | 0 | Beep Intermittent | - |
| 17 | 1 | 0 | 0 | 0 | 1 | Door Chime | - |
| 18 | 1 | 0 | 0 | 1 | 0 | Phone Ring | - |
| 19 | 1 | 0 | 0 | 1 | 1 | PI.PI.PI Short | - |
| 20 | 1 | 0 | 1 | 0 | 0 | Tripping Beat | - |
| 21 | 1 | 0 | 1 | 0 | 1 | Rel rel rel | 730Hz-920Hz |
| 22 | 1 | 0 | 1 | 1 | 0 | Slow Ambulance PI-PO | 820Hz-1.05kHz |
| 23 | 1 | 0 | 1 | 1 | 1 | Wye yong Wye yong | 770Hz-1.2kHz |
| 24 | 1 | 1 | 0 | 0 | 0 | Phone ring 2 | 740Hz-910Hz |
| 25 | 1 | 1 | 0 | 0 | 1 | Fire.A-ANG | 770Hz-1.11kHz |
| 26 | 1 | 1 | 0 | 1 | 0 | Oit Oit | 500Hz-1.11kHz |
| 27 | 1 | 1 | 0 | 1 | 1 | PioPio | 940Hz-2.19kHz |
| 28 | 1 | 1 | 1 | 0 | 0 | Slow Di o Di o | 680Hz-840Hz |
| 29 | 1 | 1 | 1 | 0 | 1 | Li long Li ling | 420Hz-470Hz |
| 30 | 1 | 1 | 1 | 1 | 0 | 911 Siren | 150Hz-1kHz |
| | | | | | | | |

How to Use a MP3 Type Product

MP3-type models have 30 or 31 built-in alarm sounds and the users can play their voice messages or music files(MP3). You can choose two methods for playing up to 31 sounds with the binary input method. While the bit input method can only play 5 sounds from #1 to #5.

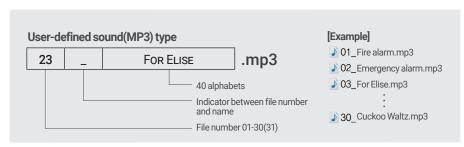
- · What is a MP3?
- MP3 is a audio compression technology(Audio layer-3) design by MPEG (Motion Picture Experts Group) MP3 (MPEG-1 Audio Layer-3) is a standard technology and format for compressing a sound sequence into a very small file while preserving the original level of sound quality when it is played.
- Extension of the MP3 file can be found as "*.mp3", and any voice message, alarm message, and music can be played and saved as MP3 files.
- · What is a SD card?

SD memory card is a compact flash memory card for storing various data such as MP3s or document files, Models with MP3 features can save voice messages or alarm messages in the SD card.



- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD(FAT16), SDHC(FAT32) type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes : C2, C4, C6, C10, U1, V6, and V10.
- ※ The maximum speed supported is 10MB/s.

- · Saving a MP3 file
- MP3 file can be saved and played in accordance with the standards specified by filename.
- Using binary input method according to the specifications given in the file name, a SD card which is used in special alarm type models(MP3) can save up to 31 sounds, multifunctional type models can save and play up to 30 sounds.
- Using bit input method according to the specifications given in the file name, you can select and play up to five sounds from the MP3 file.

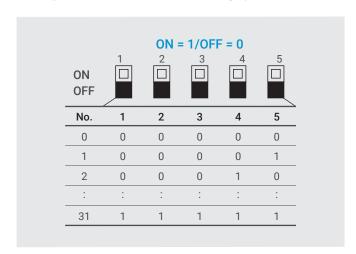


· Binary input and Bit input method

Special alarm type models and multifunctional type models are divided into binary input method or Bit input method depending on the source selection method.

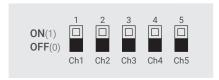
Binary input

You can only show 2 numbers with 1 switch "0", "1". With 5 switches you can have 31 combinations. Selecting one sound from 5 switches is the binary input method.



Bit input

The Bit input method only recognizes one of the 5 switches at a time. This method doesn't support two inputs at once. The number of combinations is small, but it is much more convenient to remember the channel number.

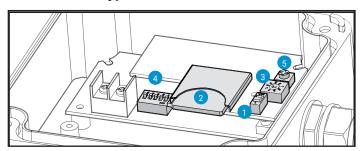


How to Use a MP3 Type Product

MP3 supported model basic description

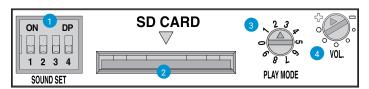
- MP3 supported products can play 30-31 built-in sounds or MP3 files saved in an SD card.
- Binary input method can play up to 30 31 sounds, and Bit input method can play 5 sounds in accordance with the standards specified by filename.
- Can choose and play 5 sounds from #1 to #5.
- The volume of our product when playing MP3 files was measured based on "x" dB/1KHz sine wave playback, and volume deviation may occur depending on the type of sound source used by the customer.

Switch select type



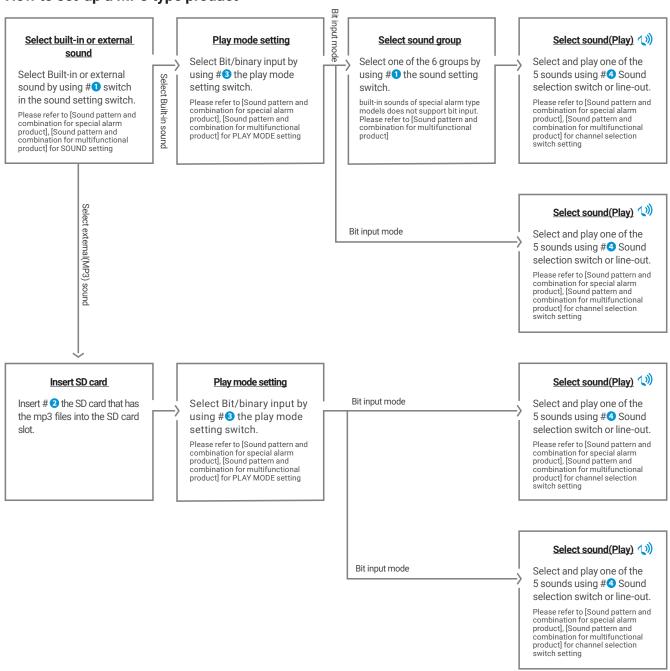
- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Sound selection switch
- 5 Volume

Line-out type



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Volume

How to set-up a MP3 type product



Bulb Specification

The table below summarizes bulb specifications that are equipped with Qlight's products. Please carefully review the bulb specification in case bulb replacement is needed. Otherwise it may cause part malfunction.

| Layout | Part# | Feature | Spec | Voltage | Current | Product |
|----------|-------|------------|--------------|---------|---------|---------------------------------------|
| V | 1 | 14V / 5W | G14 9S | 12V | 0.357A | CEO CT45 |
| | 2 | 27V / 5W | G14 9S | 24V | 0.185A | S50, ST45 |
| | 3 | 120V / 5W | T16 x 28 9S | 110V | 0.042A | CEO CT4E |
| | 4 | 240V / 5W | T16 x 28 9S | 220V | 0.021A | S50, ST45 |
| A | 5 | 12V / 5W | T16 x 35 15S | 12V | 0.417A | S60, S80, SR |
| · | 6 | 24V / 5W | T16 x 35 15S | 24V | 0.208A | SJ, SJD |
| | 7 | 120V / 5W | T16 x 35 15D | 110V | 0.042A | S60 |
| | 8 | 240V / 5W | T16 x 35 15D | 220V | 0.021A | 300 |
| | 9 | 12V / 10W | T16 x 35 15S | 12V | 0.833A | S100, S125 |
| | 10 | 24V / 10W | T16 x 35 15S | 24V | 0.417A | SE |
| | 11 | 48V / 10W | T16 x 35 15S | 48V | 0.208A | ST56, ST80 |
| | 12 | 120V / 10W | T16 x 35 15S | 110V | 0.083A | S100, S125 |
| ė | 13 | 240V / 10W | T16 x 35 15S | 220V | 0.042A | ST56, ST80 |
| | 14 | 48V / 10W | T16 x 35 15D | 48V | 0.208A | |
| | 15 | 120V / 10W | T16 x 35 15D | 110V | 0.083A | |
| | 16 | 240V / 10W | T16 x 35 15D | 220V | 0.042A | |
| | 17 | 12V / 15W | G23 15S | 12V | 1.250A | SK, S150, SH1, SH2, SED |
| | 18 | 24V / 15W | G23 15S | 24V | 0.625A | SD, SHD, SHD2 |
| | 19 | 48V / 15W | G23 15S | 48V | 0.313A | SMD, SESA, SEBA, SEA |
| M | 20 | 120V / 15W | G23 15S | 110V | 0.125A | |
| <u>.</u> | 21 | 240V / 15W | G23 15S | 220V | 0.063A | |
| M | 22 | 120V / 15W | G23 15D | 110V | 0.125A | \$150, SH1, SH2, SED |
| Ŀ | 23 | 240V / 15W | G23 15D | 220V | 0.063A | SD, SHD, SHD2 SMD, SESA, SEBA, SEA |
| A | 24 | 12V / 23W | S25 15S | 12V | 1.916A | S150, SH2, SD, SMD |
| | 25 | 24V / 23W | S25 15S | 24V | 0.958A | SESA, SEBA, SEA |
| | 26 | 48V / 25W | T23 x 62 15D | 48V | 0.521A | |
| | 27 | 120V / 25W | T23 x 62 15D | 110V | 0.208A | S150, SH2, SD, SMD SESA, SEBA, SEA |
| | 28 | 240V / 25W | T23 x 62 15D | 220V | 0.104A | |
| | 29 | 12V / 35W | RP35 15S | 12V | 2.917A | S180 |
| | 30 | 24V / 35W | RP35 15S | 24V | 1.458A | 3100 |

| Layout | Part# | Feature | Spec | Voltage | Current | Product |
|----------|-------|------------|---|---------|---------|---|
| | 31 | 120V / 35W | RP35 15D | 110V | 0.292A | 0100 |
| | 32 | 240V / 35W | RP35 15D | 220V | 0.146A | S180 |
| | 33 | 110V / 60W | E26 ES | 110V | 0.545A | S150, SH2, SD, SMD |
| | 34 | 220V / 60W | E26 ES | 220V | 0.272A | SESA, SE, SEBA, SEA |
| | 35 | 12V / 30W | A60 E26 | 12V | 2.500A | S150, SH2 |
| | 36 | 24V / 60W | A60 E26 | 220V | 2.500A | SD, SMD |
| | 37 | 110V / 60W | A60 E26 | 110V | 0.545A | S150, SH2 |
| | 38 | 220V / 60W | A60 E26 | 220V | 0.272A | SD, SMD |
| <u> </u> | 39 | 12V / 35W | 15S Halogen | 12V | 2.917A | CVII |
| | 40 | 24V / 35W | 15S Halogen | 24V | 1.458A | SKH |
| | 41 | 110V / 35W | 15D Halogen | 110V | 0.318A | S150, SH2, SD, SMD |
| | 42 | 220V / 35W | 15D Halogen | 220V | 0.159A | SESA, SE, SEBA, SEA |
| A | 43 | 12V / 55W | 15D Halogen | 12V | 4.583A | S150, SH2, SD, SMD |
| | 44 | 24V / 55W | 15D Halogen | 24V | 2.292A | SESA, SE, SEBA, SEA |
| <u> </u> | 45 | 120V / 55W | 15D Halogen | 110V | 0.458A | S150, SH2, SD, SMD |
| | 46 | 240V / 55W | 15D Halogen | 220V | 0.229A | SESA, SE, SEBA, SEA |
| | 47 | 220V-350V | BGA2120 -BBC I Type xenon lamp | | 4W | S80S, S80AS SNE-S, SNES-S, SE-S |
| | 48 | 200V-550V | EUB0641 -1A(G) U Type xenon lamp | | 6W | S100S, S125S S150US, S150RS SJS, SJSP SH1S, SH2S SEDS, SDS, SMDS SHDS, SHD2S SCDWS, SCDFS SESAS, SEBAS, SEAS |
| | 49 | 280V-400V | BH0647(G) W Type xenon lamp | | 16W | S180US, S180UHS |

Warning/Signal Light Mounting Brackets

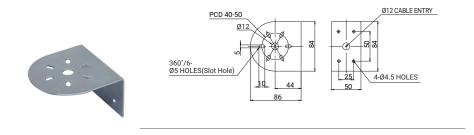
User can select from a variety of bracket options depending on their application conditions.

Units: mm

· TWS45 | TWS80

Bracket options for direct mount warning/ signal light installation. Material: Steel Color: Silver, Ivory

Product Image Technical Diagram for Applicable Models PCD 30-40 012 CABLE ENTRY 360'/605 HOLES(Slot hole) TWS45 S50 Series, S60 Series, MFL60, QMCL60, Q60L



TWS80

S80 Series, S80SOL, MFL80, SMCL80, QMCL80, Q80L

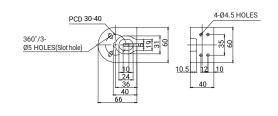
· TWA45 | TWA80

Bracket options for direct mount warning/ signal light installation. Bracket structure allows for contained and tidy wiring with no exposed wires.

Material: PC Color: Black, Ivory

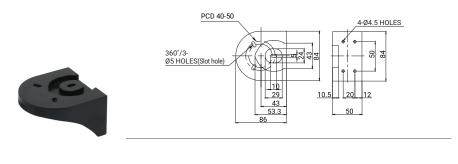
Product Image Technical Diagram for Applicable Models





TWA45

S50 Series, S60 Series, MFL60, QMCL60, Q60L



TWA80

S80 Series, S80SOL, MFL80, SMCL80, QMCL80, Q80L

Warning/Signal Light Mounting Brackets

Units: mm

· SWP125

Bracket options for direct mount warning/signal light installation.

Material: Steel Color: Silver, Ivory

PCD 85 PCD 60-70 PCD 50 PCD 50

SWP125

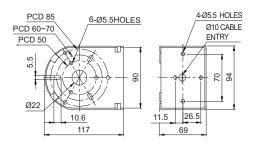
S100 Series, S125 Series, STD Series, STND Series, STND100 / STND125 Series, QMCL100 / QMCL125, Q100L, Q125L

· SWM125

Bracket options for direct mount warning/ signal light installation Bracket structure allows for contained and tidy wiring with no exposed wires.

Material: PC Color: Ivory





SWM125

S100 Series, S125 Series, STD Series, STND Series, STND100 / STND125 Series, QMCL100 / QMCL125, Q100L, Q125L

^{**} For detailed specifications of the pole type mounting bracket for the Q Series, SJ Series, SR Series, S80 Series, and MFL Series, please visit our website. Please refer to the [Tower Light Mounting Bracket] in this catalog.

Icon Description

This catalogue helps users quickly identify the product's specifications and features by using several types of icons. If you understand the concept for each icon, you will find it easy to understand the catalogue information.

Light Source and Operating Mode Icons

| Icon | Operating Mode | Icon | Operating Mode |
|---|------------------------------|------|---------------------------|
| 2 | Bulb steady type | | Bulb steady/flashing type |
| | Bulb revolving type | | LED revolving type |
| | LED steady type | | LED steady/flashing type |
| | LED simulated revolving type | | LED strobe type |
| *\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | Xenon lamp strobe type | | |

Acoustic Signal Icons

| Icon | Siren | Icon | Siren |
|--------------------|-------------|-----------------|---------|
| (((€)I)) BUZZER | Buzzer | (i))) SPK | Speaker |
| (HORN | Hom | (((©))) BELL | Bell |
| ((@)) MOTOR | Motor siren | MP3 | MP3 |
| ((J3 8008 | Volume(dB) | | |

Specifications Icons

| Icon | Specification | lcon | Specification |
|-------------|---------------------|------------------|-------------------------------|
| M S MAGNET | Magnet type | = +50°C -20°C | Ambient operating temperature |
| ₩ NPN | NPN type transistor | PNP | PNP type transistor |
| OOO IP44 | IP rating | WIRELESS | Wireless Network |
| √) RoHS | RoHS | | |

Warning, Signal, Stackable



Specification List for Revolving Warning, Signal Lights

LED Revolving Warning Lights















| Model | l number | S60LR | S80DR | S80LR | S80DRK | S80LRK | S80ADR | S80ALR |
|-------------------|--------------|--------------------------------|--|--|--|--|--------------------------------|--------------------------------|
| Vo | oltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V |
| | Outdia | Ø70 | Ø83 | Ø83 | Ø84 | Ø84 | Ø83 | Ø83 |
| Dimension (mm) | Height | 121 | 131 | 133 | 153 | 155 | 125 | 127 |
| () | Depth | - | - | - | - | - | 113 | 113 |
| Vo | olume | - | Max.90dB at 1m | Max.90dB at 1m | - | - | Max.90dB at 1m | Max.90dB at 1m |
| Ma | aterial | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS |
| Mountin | ng structure | Self stand | Self stand | Self stand | Mount bracket | Mount bracket | Wall mount | Wall mount |
| Protect | tion rating | IP44 | IP44 | IP44 | IP44 | IP44 | IP44 | IP44 |
| Mountin | ng location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mountin | ng direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Cert | ificates | | | | | | | |
| Custo | mization | Wall mount | Wall mount, AC dual use specification | Wall mount, AC dual use specification | Pole mount, AC dual use specification | Pole mount, AC dual use specification | - | - |
| P | Page | P42 | P46 | P46 | P47 | P47 | P48 | P48 |















| Model | number | S100LR | S100MLR | S125LR | S125MLR | SKMPLR | SKLR | SKMLR |
|-------------------|-------------|--|------------------------|---|------------------------|------------------------------|-----------------------|-----------------------|
| Vo | ltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V |
| | Outdia | Ø101 | Ø101 | Ø119 | Ø119 | - | - | - |
| Dimension (mm) | Height | 152 | 149 | 158 | 161 | 142 | 135 | 138 |
| (11111) | Depth | - | - | - | - | 192(Length) | 183(Length) | 183(Length) |
| Vo | lume | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | - | - | - |
| Ma | aterial | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-PC Housing-PC | Lens-PC Housing-PC | Lens-PC Housing-PC |
| Mountin | g structure | Self stand | Detachable magnet | Self stand | Detachable magnet | Detachable magnet | Self stand | Detachable magnet |
| Protect | tion rating | IP44 | IP54 | IP44 | IP54 | IP54 | IP54 | IP54 |
| Mountin | ng location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mountin | g direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Cert | ificates | | | | | | | |
| Custo | mization | Wall mount 2 tones buzzer, Dome type lens (S100RLR, S100DR) | AC type | Wall mount 2 tones buzzer, Dome type lens (S125RLR) | AC type | Oval-shaped Rubber Magnet | - | - |
| P | age | P60 | P61 | P67 | P68 | P72 | P73 | P73 |









| Model | number | S150ULR | S150ULR-FT | S150RLR | S150RLR-FT |
|-------------------|-------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Vo | ltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V |
| | Outdia | Ø138 | Ø138 | Ø140 | Ø140 |
| Dimension (mm) | Height | 193 | 196 | 189 | 194 |
| () | Depth | | | | |
| Vo | lume | Max.90dB at 1m | Max.90dB at 1m | - | - |
| Ma | iterial | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-STS316L | Lens-PC Housing-STS316L |
| Mountin | g structure | Self stand | Mount bracket | Self stand | Mount bracket |
| Protect | tion rating | IP44 | IP44 | IP44 | IP44 |
| Mountin | ng location | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mountin | g direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Certi | ificates | | | | |
| Custo | mization | 2 tones buzzer | 2 tones buzzer | - | - |
| P | age | P85 | P85 | P86 | P86 |

Bulb Revolving Warning Lights















| l number | S60R | S80R | S80U | S80RK | S80UK | S80AR | S80AU |
|--|--|--|--|--|--|--------------------------------|--------------------------------|
| oltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V |
| Outdia | Ø70 | Ø83 | Ø83 | Ø84 | Ø84 | Ø83 | Ø83 |
| Height | 121 | 131 | 133 | 153 | 155 | 125 | 127 |
| Depth | - | - | - | - | - | 113 | 113 |
| olume | - | Max.90dB at 1m | Max.90dB at 1m | - | - | Max.90dB at 1m | Max.90dB at 1m |
| aterial | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS |
| ng structure | Self stand | Self stand | Self stand | Mount bracket | Mount bracket | Wall mount | Wall mount |
| tion rating | IP44 | IP44 | IP44 | IP44 | IP44 | IP44 | IP44 |
| ng location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| ng direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| tificates | CE | CE | CE | CE | CE | CE | CE |
| mization | Wall mount | Wall mount, AC dual use specification | Wall mount, AC dual use specification | Pole mount, AC dual use specification | Pole mount, AC dual use specification | - | - |
| Page | P42 | P43 | P43 | P44 | P44 | P45 | P45 |
| o con con con con con con con con con co | Dutdia Height Depth Ilume Iterial g structure ion rating g location g direction ficates mization | Itage DC12V, DC24V AC110V, AC220V Dutdia Ø70 Ieleight 121 Depth - Iume - Iterial Lens-AS Housing-ABS g structure Self stand ion rating IP44 Indoor Use g direction Vertical, Horizontal ficates CE mization Wall mount | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V |















| | | | T | T . | 1 | T T | ¥ | |
|------------------|----------------|--------------------------------|---|--------------------------------|------------------------|--------------------------------|--------------------------------|------------------------|
| Mod | del number | S100R | S100U | S100UA | S100M | S125R | S125U | S125M |
| | Voltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V |
| | Outdia | Ø101 | Ø101 | Ø101 | Ø101 | Ø119 | Ø119 | Ø119 |
| Dimensio (mm) | n Height | 149 | 152 | 155 | 149 | 161 | 158 | 161 |
| () | Depth | | | | | | | |
| - | Volume | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m |
| | Material | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS |
| Moun | ting structure | Self stand | Self stand | Self stand | Detachable magnet | Self stand | Self stand | Detachable magnet |
| Prote | ection rating | IP44 | IP44 | IP44 | IP54 | IP44 | IP44 | IP54 |
| Mour | nting location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Moun | ting direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Ce | ertificates | CE | CE | CE | CE | CE | CE | CE |
| Cus | stomization | Wall mount | Wall mount, 2 tones buzzer, Dome type lens (S100UR) | Wall mount, 2 tones buzzer | AC type | Wall mount | Wall mount, 2 tones buzzer | AC type |
| | Page | P59 | P60 | P60 | P61 | P66 | P67 | P68 |









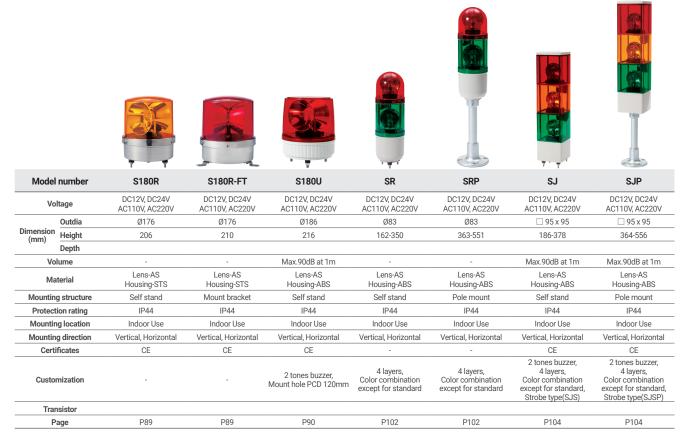






| | | | - | | | | | |
|-------------------|---------------|-----------------------|-----------------------|---------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Mode | el number | SK / SKH | SKM / SKMH | SKMP / SKMPH | S150U | S150U-FT | S150R | S150R-FT |
| ٧ | /oltage | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V |
| | Outdia | - | - | - | Ø138 | Ø138 | Ø140 | Ø140 |
| Dimension (mm) | Height | 135 | 138 | 142 | 193 | 196 | 189 | 194 |
| () | Depth | 183(Length) | 183(Length) | 192(Length) | - | - | - | - |
| ٧ | /olume | - | - | - | Max.90dB at 1m | Max.90dB at 1m | - | - |
| N | /laterial | Lens-PC Housing-PC | Lens-PC Housing-PC | Lens-PC Housing-PC | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-STS316L | Lens-PC Housing-STS316L |
| Mount | ing structure | Self stand | Detachable magnet | Detachable magnet | Self stand | Mount bracket | Self stand | Mount bracket |
| Prote | ction rating | IP54 | IP54 | IP54 | IP44 | IP44 | IP44 | IP44 |
| Mount | ting location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mount | ing direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Cei | rtificates | - | - | - | CE | CE | CE | CE |
| Cust | tomization | - | - | Oval-shaped rubber magnet | 2 tones buzzer | 2 tones buzzer | - | - |
| | Page | P73 | P73 | P74 | P85 | P85 | P86 | P86 |

Bulb Revolving Warning Lights



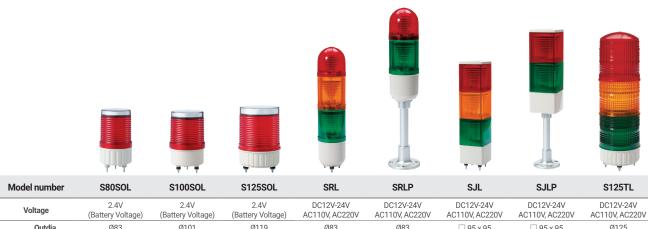
LED Steady/Flashing Signal Lights



LED Steady/Flashing Signal Lights/Stackable Lights



| | | 1 11 | ' ' | | | Y | | 7 7 | |
|------------------|---------------|---|---|---|---|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Mode | el number | SKTL | SKTLB | SKTLM | SKTLBM | S150UL | S150UL-FT | S150RL | S150RL-FT |
| V | /oltage | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V |
| | Outdia | □ 105 x 105 | □ 105 x 105 | □ 105 x 105 | □ 105 x 105 | Ø138 | Ø138 | Ø140 | Ø140 |
| Dimensio (mm) | n Height | 88 | 88 | 90 | 90 | 193 | 196 | 189 | 194 |
| () | Depth | | | | | | | | |
| V | /olume | - | Max.105dB at 1m | - | Max.105dB at 1m | Max.90dB at 1m | Max.90dB at 1m | - | - |
| N | /laterial | Lens-PC Housing-PC | Lens-PC Housing-PC | Lens-PC Housing-PC | Lens-PC Housing-PC | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-STS | Lens-PC Housing-STS |
| Mounti | ing structure | Self stand | Self stand | Detachable magnet | Detachable magnet | Self stand | Mount bracket | Self stand | Mount bracket |
| Prote | ction rating | IP66 | IP66 | IP66 | IP66 | IP44 | IP44 | IP44 | IP44 |
| Mount | ting location | Indoor Use/ Outdoor Use | Indoor Use/ Outdoor Use | Indoor Use/ Outdoor Use | Indoor Use/ Outdoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mount | ing direction | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Cei | rtificates | CE | CE | CE | CE | - | - | - | - |
| Cust | tomization | Strobe left and right, Flashing left and right | Strobe left and right, Flashing left and right | Color combination except for standard, Strobe, Strobe left and right | Color combination except for standard, Strobe, Strobe left and right | 2 tones buzzer | 2 tones buzzer | - | - |
| | Page | P74 | P74 | P75 | P75 | P87 | P87 | P88 | P88 |
| | | | | | | | | | |



| Mode | el number | S80SOL | S100S0L | S125SOL | SRL | SRLP | SJL | SJLP | S125TL |
|-------------------|--------------|----------------------------|----------------------------|----------------------------|---|---|--|--|--|
| Ve | oltage | 2.4V (Battery Voltage) | 2.4V (Battery Voltage) | 2.4V (Battery Voltage) | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V |
| | Outdia | Ø83 | Ø101 | Ø119 | Ø83 | Ø83 | □ 95 x 95 | □ 95 x 95 | Ø125 |
| Dimensior (mm) | n Height | 143 | 158 | 175 | 162-350 | 363-551 | 186-378 | 384-576 | 195-395 |
| () | Depth | | | | | | | | |
| Ve | olume | - | - | - | - | - | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m |
| M | aterial | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS |
| Mountin | ng structure | Self stand | Self stand | Self stand | Self stand | Pole mount | Self stand | Pole mount | Self stand |
| Protec | ction rating | IP54 | IP54 | IP54 | IP44 | IP44 | IP44 | IP44 | IP44 |
| Mounti | ing location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mountii | ng direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Cer | tificates | CE | CE | CE | - | - | - | - | - |
| Custo | omization | Wall mount Magnet mount | Wall mount Magnet mount | Wall mount Magnet mount | 4 layers, Color combination except for standard | 4 layers, Color combination except for standard | 2 tones buzzer, 4 layers, Color combination except for standard | 2 tones buzzer, 4 layers, Color combination except for standard | 2 tones buzzer, Color combination except for standard, Strobe type(S125STS) |
| Tra | ansistor | - | - | - | NPN/PNP type | NPN/PNP type | NPN/PNP type | NPN/PNP type | NPN/PNP type |
| - | Page | P94-95 | P94-95 | P94-95 | P103 | P103 | P105 | P105 | P106-107 |

LED Steady/ Flashing Signal Lights













| | | | | 1 - | | | |
|-------------------|--------------|---|---|---|---|---|---|
| Mode | el number | Q60L | Q60LW | Q60LP | Q80L | Q80LW | Q80LP |
| V | oltage | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V |
| | Outdia | Ø69 | Ø69 | Ø69 | Ø83 | Ø83 | Ø83 |
| Dimension (mm) | Height | 100 | 129 | 334 | 120 | 157 | 278 |
| () | Depth | | | | | | |
| V | olume | Max.80dB at 1m |
| М | laterial | Lens-PC Housing-ABS | Lens-PC Housing-ABS, Bracket-PC | Lens-PC Housing-ABS, Pole-Al | Lens-PC Housing-ABS | Lens-PC Housing-ABS, Bracket-PC | Lens-PC Housing-ABS, Pole-Al |
| Mounti | ng structure | Self stand | Wall mount | Pole mount | Self stand | Wall mount | Pole mount |
| Protec | ction rating | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 |
| Mounti | ing location | Indoor Use/Outdoor Use |
| Mounti | ng direction | Vertical, Horizontal, Reverse vertical |
| Cer | tificates | CE, UL |
| Custo | omization | - | - | Customized pole length available | - | - | Customized pole length available |
| | Page | P76-77 | P76-77 | P76-77 | P78-79 | P78-79 | P78-79 |
| | | | | | | | |













| Mode | el number | Q100L | Q100LW | Q100LP | Q125L | Q125LW | Q125LP |
|-------------------|---------------|---|---|---|---|---|---|
| V | oltage | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V |
| | Outdia | Ø97 | Ø97 | Ø97 | Ø116 | Ø116 | Ø116 |
| Dimensior (mm) | 1 Height | 136 | 173 | 294 | 155 | 192 | 313 |
| () | Depth | | | | | | |
| V | olume | Max.80dB at 1m |
| M | laterial | Lens-PC Housing-ABS | Lens-PC Housing-ABS, Bracket-PC | Lens-PC Housing-ABS, Pole-Al | Lens-PC Housing-ABS | Lens-PC Housing-ABS, Bracket-PC | Lens-PC Housing-ABS, Pole-Al |
| Mounti | ng structure | Self stand | Wall mount | Pole mount | Self stand | Wall mount | Pole mount |
| Protec | ction rating | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 |
| Mount | ing location | Indoor Use/Outdoor Use |
| Mounti | ing direction | Vertical, Horizontal, Reverse vertical |
| Cer | tificates | CE, UL |
| Cust | omization | - | - | Customized pole length available | - | - | Customized pole length available |
| | Page | P80-81 | P80-81 | P80-81 | P82-83 | P82-83 | P82-83 |

Multiple Function LED Signal Lights









Multiple Color LED Signal Lights





| Mode | l number | MFL60 | MFL80 | MFL100 | MFL125 |
|-------------------|--------------|--|--|--|--|
| Vo | oltage | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V |
| p | Outdia | Ø69 | Ø83 | Ø97 | Ø116 |
| Dimension (mm) | Height | 100 | 120 | 136 | 155 |
| | Depth | | | | |
| Vo | olume | Max.80dB at 1m | Max.80dB at 1m | Max.80dB at 1m | Max.80dB at 1m |
| Ma | aterial | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS |
| Mountin | ng structure | Self stand | Self stand | Self stand | Self stand |
| Protec | tion rating | IP65 | IP65 | IP65 | IP65 |
| Mounti | ng location | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use |
| Mountir | ng direction | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical |
| Cert | tificates | CE, UL | CE, UL | CE, UL, KC | CE, UL |
| Custo | mization | Wall mount, Pole mount, M12 connector type |
| F | Page | P92-93 | P92-93 | P92-93 | P92-93 |

| Model | number | SWTC | SWTCE |
|-------------------|-------------|---|---|
| Vol | tage | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V |
| | Outdia | Ø90(Half) | Ø90(Half) |
| Dimension (mm) | Height | 216 | 216 |
| (11111) | Depth | 46 | 46 |
| Vol | ume | Max.90dB at 1m | Max.90dB at 1m |
| Ma | terial | Lens-PC, Housing-ABS | Lens-PC, Housing-ABS |
| Mounting | structure | Wall mount | Wall mount |
| Protect | on rating | IP55 | IP55 |
| Mountin | g location | Indoor Use | Indoor Use |
| Mounting | g direction | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical |
| Certi | ficates | CE | CE |
| Custor | nization | Color combination except for standard, 2 tones buzzer | Color combination except for standard, 2 tones buzzer |
| Tran | sistor | NPN/PNP type | NPN/PNP type |
| Pa | age | P100-101 | P100-101 |
| | | | |

Multiple Color LED Signal Lights















| | | . 4 . | 7 | Y | | . 1 . | . 1 | |
|------------------|----------------|-----------------------------|-----------------------------|-----------------------------|---|---|---|---|
| Mod | del number | SMCL80 | SMCL100 | SMCL125 | QMCL60 | QMCL80 | QMCL100 | QMCL125 |
| | Voltage | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V | DC12V, DC24V |
| | Outdia | Ø83 | Ø101 | Ø119 | Ø69 | Ø83 | Ø97 | Ø116 |
| Dimensio (mm) | n Height | 133 | 152 | 158 | 80 | 85 | 95 | 110 |
| () | Depth | | | | | | | |
| | Volume | Max.90dB at 1m | Max.90dB at 1m | Max.90dB at 1m | Max.80dB at 1m | Max.80dB at 1m | Max.80dB at 1m | Max.80dB at 1m |
| | Material | Lens-ABS Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS |
| Moun | ting structure | Self stand | Self stand | Self stand | Self stand | Self stand | Self stand | Self stand |
| Prot | ection rating | IP44 | IP44 | IP44 | IP65 | IP65 | IP65 | IP65 |
| Mour | nting location | Indoor Use | Indoor Use | Indoor Use | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use |
| Moun | ting direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical |
| Co | ertificates | CE | CE | CE | CE, UL | CE, UL | CE, UL | CE, UL |
| Cus | stomization | Wall mount | Wall mount | Wall mount | Wall mount, M12 connector type |
| Т | ransistor | NPN type | NPN type | NPN type | NPN/PNP type | NPN/PNP type | NPN/PNP type | NPN/PNP type |
| | Page | P96-97 | P96-97 | P96-97 | P98-99 | P98-99 | P98-99 | P98-99 |
| | | | | | | | | |

LED Strobe Signal Lights











| Mod | el number | S80NS | S80NSE | S80LS | S125LSE | EQ100 |
|-------------------|---------------------|---|---|---|---|---|
| 1 | Voltage | DC12V-24V | DC12V-24V | DC12V-24V | DC12V-24V | DC24V, AC220V |
| | Outdia | Ø83 | Ø83 | Ø83 | Ø123 | Ø97 |
| Dimension (mm) | ¹ Height | 111 | 103 | 106 | 125 | 153 |
| () | Depth | | | | | |
| , | Volume | | | | | |
| - 1 | Material | Lens-PC Housing-ABS+GF | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS |
| Moun | ting structure | Self stand |
| Prote | ection rating | IP66 | IP66 | IP65 | IP54 | IP44 |
| Moun | ting location | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use | Indoor Use/Outdoor Use | Indoor Use | Indoor Use |
| Moun | ting direction | Vertical, Horizontal, Reverse vertical |
| Ce | ertificates | CE, UL | CE, UL | CE, UL | CE | - |
| Cus | tomization | - | - | - | Wall mount | - |
| | Page | P54 | P54 | P55 | P56 | P84 |

Xenon Lamp Strobe Signal Lights











| | | | | | • | |
|---------------|-----------|-----------------------------|------------------------|-----------------------------|-----------------------------|------------------------|
| Model no | umber | S80S | S80SM | S80AS | S100S | S100SM |
| Volta | ge | DC12V-24V AC110V, AC220V | DC12V-24V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V |
| Out | tdia | Ø83 | Ø83 | Ø83 | Ø101 | Ø101 |
| Dimension Hei | ght | 106 | 106 | 127 | 113 | 113 |
| Dep | oth | - | - | 113 | - | - |
| Volur | ne | - | - | Max.90dB at 1m | - | - |
| Mater | rial | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS |
| Mounting s | structure | Self stand | Detachable magnet | Wall mount | Self stand | Detachable magnet |
| Protection | n rating | IP54 | IP54 | IP44 | IP54 | IP54 |
| Mounting | location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mounting of | direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Certific | ates | CE | CE | - | CE | CE |
| Customi | zation | Wall mount | AC type | Dome type lens | Wall mount | AC type |
| Pag | е | P52 | P52 | P53 | P63 | P63 |
| | | | | | | |















| | | T | | Y | | | | |
|-------------------|-------------|-----------------------------|------------------------|---|--|------------------------------|---------------------------------|--|
| Model number | | S125S | S125SM | S150US | S150US-FT | S150RS | S150RS-FT | S180US / S180UHS |
| Vo | ltage | DC12V-24V AC110V, AC220V | DC12V-24V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V |
| | Outdia | Ø123 | Ø123 | Ø138 | Ø138 | Ø140 | Ø140 | Ø186 |
| Dimension (mm) | Height | 125 | 123 | 193 | 196 | 189 | 194 | 216 |
| () | Depth | | | | | | | |
| Vo | lume | - | - | Max.90dB at 1m | Max.90dB at 1m | - | - | Max.90dB at 1m |
| Ma | iterial | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-STS | Lens-PC Housing-STS | Lens-ABS Housing-ABS |
| Mountin | g structure | Self stand | Detachable magnet | Self stand | Mount bracket | Self stand | Mount bracket | Self stand |
| Protect | tion rating | IP54 | IP54 | IP44 | IP44 | IP44 | IP44 | IP44 |
| Mountin | ng location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mountin | g direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| Certi | ificates | CE | CE | - | - | - | - | - |
| Custo | mization | Wall mount | AC type | 2 tones buzzer, High brightness (S150UHS) | 2 tones buzzer, High brightness (S150UHS-FT) | High brightness (S150RHS) | High brightness (S150RHS-FT) | 2 tones buzzer, Mount hole PCD 120mm |
| P | age | P70 | P70 | P87 | P87 | P88 | P88 | P91 |
| | | | | | | | | |

LED Flashing Signal Lights



| Model | l number | QLTF |
|-------------------|--------------|---|
| Vo | oltage | DC24V, DC12V-24V |
| | Outdia | 110x52 |
| Dimension (mm) | Height | 47 |
| (-/) | Depth | |
| Vo | olume | Max.65dB at 1m |
| Ma | aterial | Lens-AS Housing-ABS |
| Mountin | ng structure | Self stand |
| Protect | tion rating | IP23 |
| Mountin | ng location | Indoor Use |
| Mountin | ng direction | Vertical, Horizontal, Reverse vertical |
| Cert | ificates | CE |
| Custo | mization | - |
| Р | Page | P108 |

S50 Series







PRODUCT SPECIFICATION

- Ø50mm compact signal lights

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS(S50L Model)

Ambient operating temperature -30°C to +50°C

Protection rating IP44

Compliant with RoHS directive

- S50B I S50L
- Enhanced visibility that employs a special scattering lens
- Suitable for office-automation applications, small machines, and portable automation equipment with confined space environments
- Powerful omni-directional light source that enables high visibility



S50B

S50B Bulb Steady Signal Light

| Model | Model Voltage | | Bulb | | | Contificator | Weight | Color |
|--------|---------------|---------|--------|-----------|----------|--------------|--------|-----------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | Color |
| | DC12V | 475mA | 14V5W | G14 9S | 1 | | 0.05kg | - R-Red |
| OFOR | DC24V | 290mA | 27V5W | G14 9S | 2 | | 0.05kg | A-Amber |
| S50B | AC110V | 50mA | 120V5W | T16x28 9S | 3 | - | 0.05kg | • G-Green |
| | AC220V | 25mA | 240V5W | T16x28 9S | 4 | | 0.05kg | B-Blue |

- · Standard condition operates with steady light function but the flashing light condition can be enabled with External Contacts
- · Employs a special filament to prevent damage caused by possible voltage variations

S50L

S50L LED Steady/Flashing Signal Light

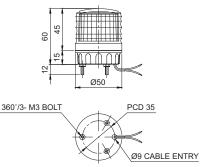
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|----------|--------------|--------|-----------------|
| | DC12V-24V | Max.50mA | | 0.08kg | R-Red |
| S50L | AC110V | 45mA | C€ | 0.08kg | A-Amber G-Green |
| - | AC220V | 50mA | | 0.08kg | B-Blue |

- · Built-in switch for selection between steady and flashing mode
- · Flashing rate: 60-80 flashes/min
- **%** CE compliant: DC12V-24V
- * DC type model has a free-voltage range of 10V-30V

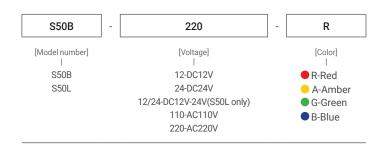
Technical Diagram

Units: mm

·S50B / S50L



Ordering Specification



Wiring Instructions

- · External Power line(S50B Model) UL1007 AWG22(0.3sq) x 2C 400mm
- · External Power line(S50L Model) UL1015 AWG18(0.75sq) 400mm
- · This product can be wired regardless of polarity.

Customization

- · Wall mount bracket options
- : Bracket structure allows for threading through the bracket hole or into the wall mount.



TWS45



TWA45

S60 Series







S60R





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC type for S60R/S60LR
- : Black output line is negative()
- · S60L model can be wired regardless of polarity.

Customization

- · Wall mount bracket options
- : Bracket structure allows for threading through the bracket hole or into the wall mount.



TWS45





PRODUCT SPECIFICATION

S60R | S60LR | S60L

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS Ambient operating temperature -20°C to +50°C **Protection rating IP44**

- Ø60mm compact warning/signal lights

S60R Bulb Revolving Warning Light

| Mode | odel | | | Bulb | | Certificates | Weight | Color |
|-------|---------|---------|--------|------------|----------|--------------|--------|----------|
| numbe | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | COIOI |
| | DC12V | 480mA | 12V5W | T16x35 15S | 5 | | 0.18kg | R-Red |
| 0600 | DC24V | 340mA | 24V5W | T16x35 15S | 6 | $C \in$ | | A-Amber |
| S60R | AC110V | 80mA | 120V5W | T16x35 15D | 7 | | 0.27kg | G-Green |
| | AC220V | 35mA | 240V5W | T16x35 15D | 8 | | 0.27kg | ● B-Blue |

[·] Revolving speed: 120-140RPM

S60LR LED Revolving Warning Light

| Model number | Voltage | Current | Certificates | Weight | Color | |
|--------------|---------|---------|--------------|--------|---------|--|
| | DC12V | 180mA | | 0.21kg | _ R-Red | |
| C(0LD | DC24V | 125mA | | 0.21kg | A-Amber | |
| S60LR - | AC110V | 45mA | - | 0.28kg | G-Green | |
| | AC220V | 20mA | | 0.28kg | B-Blue | |

[·] Revolving speed: 120-140RPM

S60L LED Steady/Flashing Signal Light

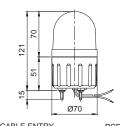
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------------|
| | DC12V-24V | Max.120mA | | 0.15kg | R-Red |
| S60L | AC110V | 45mA | - | 0.20kg | A-Amber G-Green |
| | AC220V | 20mA | | 0.20kg | B-Blue |

[·] Flashing rate: 60-80 flashes/min

·S60R / S60LR

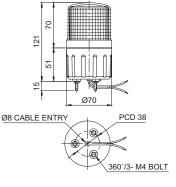
Technical **Diagram**

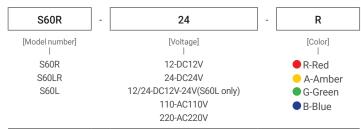
Units: mm





·S60L





[%] CE compliant: DC12V, DC24V

^{DC type model has a free-voltage range of 10V-30V}

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PRODUCT SPECIFICATION

S80R I S80U

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

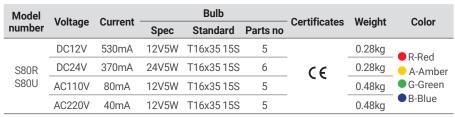
Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m **Protection rating IP44**

Revolving speed 120-140RPM

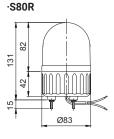
- Ø80mm bulb revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear
- Can select between standard and built-in buzzer type depending on installation environment

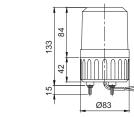




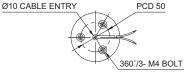
% CE compliant: DC12V, DC24V

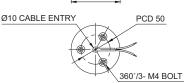
Technical Diagram Units: mm





·S80U





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative(-)
- · For the wiring of 110 & 220VAC combination model, 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.

Customization

- · Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.
- · AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.



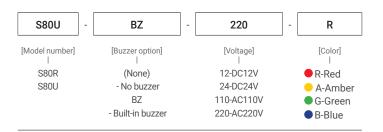
TWS80



TWA80

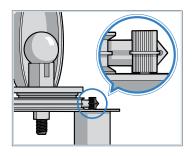


Ordering **Specification**









V belt type Power transfer system feature

Designed to minimize the abrasion of the belt, and to efficiently deliver torque from the drive shaft to the reflector.







S80RK



S80UK

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- DC Type
- : Black output line is negative()
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

PRODUCT SPECIFICATION

S80RK | S80UK

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Protection rating IP44

Revolving speed 120-140RPM

- Ø80mm bulb revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear
- Circular mount bracket allows convenient installation
- No buzzer options available

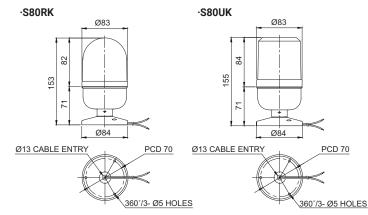
S80RK / S80UK Bulb Revolving Warning Light

| Model | Voltono | Current | | Bulb | | Certificates | Weight | Color - R-Red - A-Amber - G-Green - B-Blue |
|--------|---------|---------|-------|------------|----------|--------------|--------|---|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | |
| | DC12V | 530mA | 12V5W | T16x35 15S | 5 | | 0.26kg | D Dod |
| S80RK | DC24V | 370mA | 24V5W | T16x35 15S | 6 | C€ | 0.26kg | A-Amber G-Green |
| S80UK | AC110V | 80mA | 12V5W | T16x35 15S | 5 | | 0.48kg | |
| | AC220V | 40mA | 12V5W | T16x35 15S | 5 | | 0.48kg | |

% CE compliant: DC12V, DC24V

Technical Diagram

Units: mm



Wiring Instructions

· Pole mount type



- * Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions
- · AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.

| ion | S80RK | - | 24 | - | R |
|-----|----------------|---|------------|---|---------------------------|
| | [Model number] | | [Voltage] | | [Color] |
| | S80RK | | 12-DC12V | | R-Red |
| | S80UK | | 24-DC24V | | A-Amber |
| | | | 110-AC110V | | G-Green |
| | | | 220-AC220V | | B-Blue |









PRODUCT SPECIFICATION

S80AR I S80AU

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m Protection rating IP44 Revolving speed 120-140RPM

- Equipped wall mount allows for easy assembly. Additional mounting brackets not required
- Terminal block designed inside the side mount bracket enables easy wiring
- Can select between standard and built-in buzzer type depending on installation environment



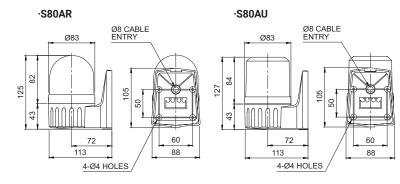
S80AR

S80AR / S80AU Bulb Revolving Warning Light

| Model | Valtana | Current | | Bulb | | Cortificatos | Weight | Color |
|--------|---------|---------|-------|------------|----------|--------------|--------|---------------------------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | |
| | DC12V | 530mA | 12V5W | T16x35 15S | 5 | | 0.31kg | - • R-Red |
| S80AR | DC24V | 370mA | 24V5W | T16x35 15S | 6 | C€ | 0.31kg | A-Amber |
| S80AU | AC110V | 80mA | 12V5W | T16x35 15S | 5 | | 0.50kg | G-Green |
| | AC220V | 40mA | 12V5W | T16x35 15S | 5 | | 0.50kg | B-Blue |

% CE compliant: DC12V, DC24V

Technical Diagram

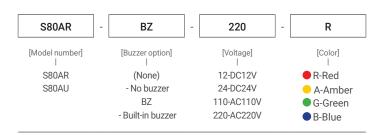


Mounting Instructions



- 1 Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification





S80AU

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type
- : Black output line is negative()



S80A Series enable easy wiring
S80A Series enables easy wiring with
its terminal block attached to the fixed
base plate. With this system the contacts in the housing sends Power directly to the terminal block.















S80DR

PRODUCT SPECIFICATION

S80DR I S80LR

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Revolving speed 120-140RPM Compliant with RoHS directive

- Ø80mm compact LED revolving warning lights
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Can select between standard and built-in buzzer type depending on installation environment

S80DR / S80LR LED Revolving Warning Lights

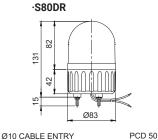
| Model number | Voltage | Current | Certificates | Weight | Color | | |
|--------------|---------|---------|--------------|--------------|-----------|--|--|
| _ | DC12V | 180mA | | 0.23kg | | | |
| S80DR | DC24V | 125mA | | 0.23kg | A-Amber | | |
| S80LR | AC110V | 35mA | | 0.38kg | • G-Green | | |
| _ | AC220V | 25mA | | 0.38kg ● B-B | | | |



S80LR

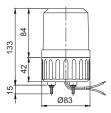
Technical Diagram

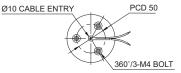
Units: mm





·S80LR







- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative()
- · AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

Instructions

Wiring

- · Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.
- · AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.



TWS80

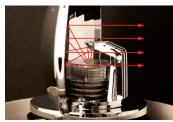
Wall Mount Wall Mount Bracket Bracket



TWA80

Ordering Specification

| S80DR | - BZ | - 220 | - R |
|---|---|---------------|--|
| [Model number] S80DR S80LR | [Buzzer option] (None) - No buzzer BZ - Built-in buzzer | [Voltage] | [Color] R-Red A-Amber G-Green B-Blue |



Feature of LED revolving warning lights

LED revolving warning lights has Qlight's distinctive LED light collecting system and special multifaceted reflector allowing excellent omni-directional visibility







PRODUCT SPECIFICATION

S80DRK I S80LRK

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Protection rating IP44

Revolving speed 120-140RPM Compliant with RoHS directive

- Ø80mm LED revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear
- Circular mount bracket allows convenient installation
- No buzzer allowed

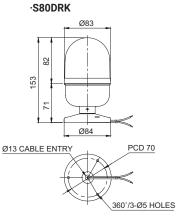


S80DRK

S80DRK / S80LRK LED Revolving Warning Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|-----------|
| | DC12V | 180mA | | 0.24kg | - R-Red |
| S80DRK | DC24V | 125mA | | 0.24kg | A-Amber |
| S80LRK | AC110V | 35mA | | 0.43kg | • G-Green |
| | AC220V | 25mA | | 0.43kg | B-Blue |

Technical Diagram Units: mm



•S80LRK Ø83 Ø13 CABLE ENTRY PCD 70 360°/3-Ø5 HOLES

S80LRK

Customization

· Pole mount type



- % Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions
- · AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.

Ordering Specification

| S80DRK | - 24 - | R |
|----------------|------------|---------------------------|
| [Model number] | [Voltage] | [Color] |
| S80DRK | 12-DC12V | R-Red |
| S80LRK | 24-DC24V | A-Amber |
| 00021111 | 110-AC110V | G-Green |
| | 220-AC220V | B-Blue |

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type
- : Black output line is negative()
- · AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.















S80ADR

PRODUCT SPECIFICATION

S80ADR | S80ALR

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Revolving speed 120-140RPM

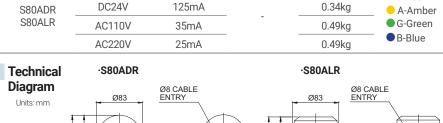
Compliant with RoHS directive

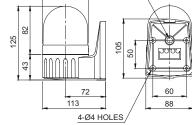
- Equipped wall mount allows for easy assembly. Additional mounting brackets not required
- Terminal block designed inside the side mount bracket enables easy wiring
- Can select between standard and built-in buzzer type depending on installation environment

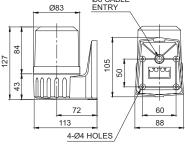
S80ADR / S80ALR LED Revolving Warning Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|------------------|---------|---------|--------------|--------|-----------|
| S80ADR S80ALR | DC12V | 180mA | _ | 0.34kg | − • R-Red |
| | DC24V | 125mA | | 0.34kg | A-Amber |
| | AC110V | 35mA | | 0.49kg | G-Green |
| | AC220V | 25mA | | 0.49kg | B-Blue |

S80ALR







Wiring Instructions

- · Attach the Power supply wire to the terminal block
- · DC Type: Black output line is negative(-)

Mounting Instructions





- Secure the base plate to the mounting surface, and the Power line to the terminal block
- Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

| S80ALR - | BZ | - 110 | - R |
|---|--|--|--|
| [Model number] S80ADR S80ALR | [Buzzer option] (None) - No buzzer BZ - Built-in buzzer | [Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V | [Color] R-Red A-Amber G-Green B-Blue |













PRODUCT SPECIFICATION

S80L

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m **Protection rating IP44**

Flashing rate 60-80/min Compliant with RoHS directive

- Ø80mm LED steady/ flashing signal lights
- Multi reflector system emits intense and constant level of signal lights
- Switch for selection between steady and flashing mode
- Can select between standard and built-in buzzer type depending on installation environment



S80L

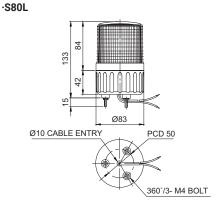
S80L LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------------|
| | DC12V-24V | Max.145mA | | 0.20kg | R-Red |
| S80L | AC110V | 35mA | C€ | 0.32kg | A-Amber G-Green |
| | AC220V | 20mA | | 0.32kg | ● B-Blue |

- DC type model has a free-voltage range of 10V-30V
- **%** CE compliant: DC12V-24V

Technical **Diagram**

Units: mm



Wiring Instructions

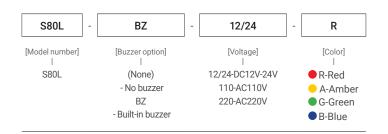
- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

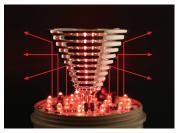
Customization

- · Wall mount bracket options
- : Bracket structure allows for threading through the bracket hole or into the wall mount.



Ordering Specification





Feature of indirect light diffusing

Indirect light diffusing system emits intense and constant level of signal lights via multi reflector throughout the lens.









S80LK

PRODUCT SPECIFICATION

S80LK

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP44 **Flashing rate** 60-80/min

Compliant with RoHS directive

- Ø80mm LED steady/ flashing signal lights
- Circular mount bracket allows for convenient installation
- Buzzer not allowed
- Switch for selection between steady and flashing mode

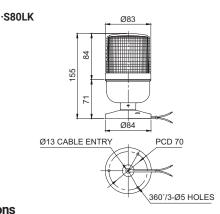
S80LK LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------------|
| | DC12V-24V | Max.145mA | | 0.20kg | R-Red |
| S80LK | AC110V | 35mA | C€ | 0.37kg | A-Amber G-Green |
| | AC220V | 20mA | | 0.37kg | B-Blue |

- * DC type model has a free-voltage range of 10V-30V.
- ※ CE compliant: DC12V-24V

Technical Diagram

Units: mm



Wiring Instructions

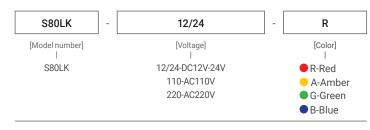
- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Wiring Instructions

 $\cdot \ \text{Pole mount type} \\$



- · AC compatible type: Could select AC110V or AC220V by connecting 2 Power lines of 3 wires each.













PRODUCT SPECIFICATION

S80AL

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m Protection rating IP44 Flashing rate 60-80/ min

Compliant with RoHS directive

- Equipped wall mount allows for easy assembly. Additional mounting brackets not required
- Maintenance reduced with long lasting LED light source
- Terminal block designed inside the side mount bracket enables easy wiring
- Switch for selection between steady and flashing mode
- Can select between standard and built-in buzzer type depending on installation environment



S80AL

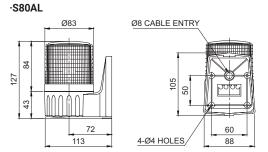
S80AL LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------------|
| | DC12V-24V | Max.145mA | | 0.26kg | R-Red |
| S80AL | AC110V | 35mA | C€ | 0.35kg | A-Amber G-Green |
| | AC220V | 20mA | | 0.35kg | B-Blue |

- DC type model has a free-voltage range of 10V-30V
- **%** CE compliant: DC12V-24V

Technical Diagram

Units: mm

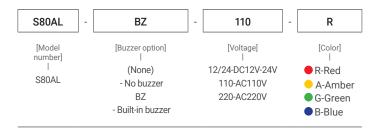


Mounting Instructions



- Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification





S80A Series enable easy wiring

S80A Series enables easy wiring with its terminal block attached to the fixed base plate. With this system the contacts in the housing sends Power directly to the terminal block.

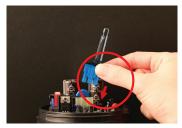












Xenon lamp replacement instructions

Convenient lamp replacement with connector lamp type. Lamp replacement is safe after the product is Powered off for 30 mins.

Customization

- · AC Type(S80SM)
- · Wall mount bracket options(S80S)
- : Bracket structure allows for threading through the bracket hole or into the wall mount





Wall Mount Bracket TWS80

Wall Mount Bracket TWA80

PRODUCT SPECIFICATION

S80S | S80SM

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø80mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector fastening structure allows for convenient lamp replacement

\$80\$ Xenon Lamp Strobe Signal Lights

| Model | Valtana | Current | | Xenon lamp |) | Contificator | Weight | Color |
|--------|---------------|---------------|-------|------------|----------|--------------|--------|-----------------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | Color |
| | DC12V- 24V | Max. 490mA | 220V | BGA2120 | | | 0.21kg | R-Red |
| S80S | AC110V | 100mA | -350V | -BBC | 47 | C€ | 0.21kg | A-Amber G-Green |
| | AC220V | 90mA | | Itype | | | 0.21kg | ● B-Blue |

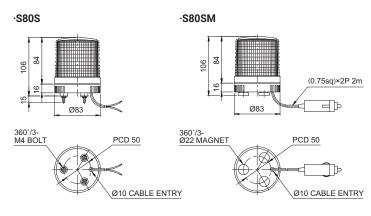
- * DC type model has a free-voltage range of 10V-30V
- **%** CE compliant: DC12V-24V

\$80\$M Xenon Lamp Strobe Light Equipped with Magnet

| Model | Valtana | 0 | | Xenon lamp |) | 04:6:4 | \4/a:= a4 | Oalan |
|--------|---------|---------|-------|-----------------|----------|--------------|-----------|----------------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | Weight | Color |
| 000014 | DC12V- | Max. | 220V | BGA2120 -BBC | 47 | CE | 0.24kg | R-Red A-Amber |
| S80SM | 24V | 490mA | -350V | Itype | 47 | | 0.24kg | G-Green B-Blue |

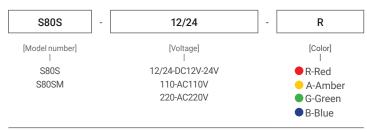
- DC type model has a free-voltage range of 10V-30V
- **%** CE compliant: DC12V-24V

Technical Diagram Units: mm



Wiring Instructions

- · External Power line(S80S) UL1015 AWG18(0.75sq) x 2C 400mm
- · External Power line (S80M) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- · This product can be wired regardless of polarity.











PRODUCT SPECIFICATION

S80AS

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Flashing rate 60-80/min

- Ø80mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector fastening structure allows for convenient lamp replacement
- Can select between standard and built-in buzzer type depending on installation environment



S80AS

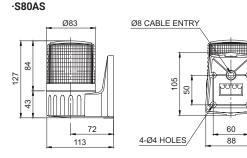
\$80AS Xenon Lamp Strobe Signal Lights

| Model | Voltono | Current | | Xenon lamp | | Contificator | Weight | Color |
|--------|---------------|---------------|-------|------------|----------|--------------|--------|---------------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | Color |
| | DC12V- 24V | Max. 510mA | 220V | BGA2120 | | | 0.27kg | R-Red A-Amber |
| S80AS | AC110V | 210mA | -350V | -BBC | 47 | - | 0.24kg | G-Green |
| | AC220V | 200mA | | Itype | | | 0.24kg | ● B-Blue |

DC type model has a free-voltage range of 10V-30V

Technical Diagram

Units: mm

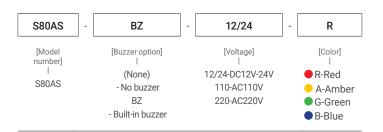


Mounting Instructions



- 1 Secure the base plate to the mounting surface, and the Power line to the terminal block
- 2 Mount the warning light by inserting the ring(hook) into the upper part of the base plate
- 3 Screw in the bolt at the base of the mounting bracket to complete assembly

Ordering Specification



Customization

· Dome type lens

Wiring Instructions

- · Attach the Power supply wire to the terminal block
- · This product can be wired regardless of polarity.



S80A Series enable easy wiring

S80A Series enables easy wiring with its terminal block attached to the fixed base plate. With this system the contacts in the housing sends Power directly to the terminal block.







Superior light output similar to xenon lamp through novel diffusion lens



S80NS

PRODUCT SPECIFICATION

S80NS

Materials Lens-PC, Housing-ABS+GF(S80NS), ABS(S80NSE)

Ambient operating temperature -30°C to +50°C

Protection rating IP66
Flashing rate 60-80/min

Compliant with RoHS directive

- Ø80mm LED strobe signal lights
- LED lights can be strongly emitted by convex lens
- Adopts excellent light distribution structure
- LED lamp provides high durability in conveyor machines, cars, press machines which have vibration and impact
- Excellent durability and air tightness by sealed PCB
- Adopts strobe type for good visibility

S80NS LED Strobe Signal Lights

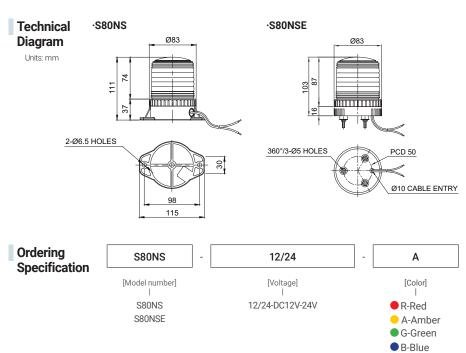


 $\frak{\%}$ DC type model has a free-voltage range of 10V-30V

\$80NSE LED Strobe Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|-------------------|--------|------------------------------|
| S80NSE | DC12V-24V | Max.660mA | (€ (<u> </u> | 0.45kg | R-Red A-Amber G-Green B-Blue |

- $\ensuremath{\,\%\,}$ DC type model has a free-voltage range of 10V-30V
- **%** UL compliant: DC24V





S80NSE

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- This product can be wired regardless of polarity.





Enhanced visibility by adopting a diffusion lens

PRODUCT SPECIFICATION

S80LS

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP65

Flashing rate 60-80/min

- Ø80mm LED strobe signal light
- Extremely bright signal light that reduces attenuation of the signal light
- Excellent visibility in daytime as bulb or xenon lamp
- Vibration and water resistance product



S80LS

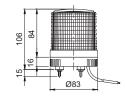
S80LS LED Strobe Signal Light for Forklift

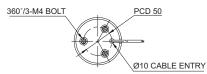
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|--|
| S80LS | DC12V-24V | Max.190mA | (€ (I) | 0.25kg | R-RedA-AmberG-GreenB-Blue |

 $[\]frak{\%}$ DC type model has a free-voltage range of 10V-30V

Technical Diagram Units: mm

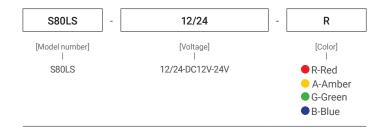
·S80LS





Wiring Instructions

- \cdot External Power line UL2095 AWG20(0.5sq) x 2C 400mm
- · This product can be wired regardless of polarity.



[%] UL compliant: DC24V

S125LSE







PRODUCT SPECIFICATION

S125LSE

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø125mm LED strobe signal lights
- Extremely bright signal light that reduces attenuation of the signal light
- Excellent visibility in daytime as bulb or xenon lamp
- Vibration and water resistance product

S125LSE LED Strobe Signal Light

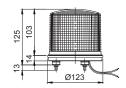
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|---------|--------------|--------|--|
| S125LSE | DC12V-24V | Max.1A | C€ | 0.33kg | R-RedA-AmberG-GreenB-Blue |

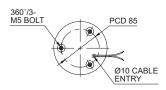
※ DC type model has a free-voltage range of 10V-30V

Technical Diagram

Units: mm

·S125LSE





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization

· Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.



Wall Mount Bracket SWP125



Wall Mount Bracket SWM125











PRODUCT SPECIFICATION

\$100R | \$100U \$100UA | \$100M **Materials** Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44, IP54

Revolving speed 120-140RPM

- Ø100mm general-purpose bulb revolving warning light
- Adopts a special power transmission system that reduces noise and wear
- Possible to select and use the specifications suitable for the usage environment between the general type and the built-in buzzer type



S100R Bulb Revolving Warning Light

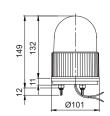
·S100R

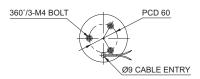
| Model | Valtana | Current | | Bulb | | Certificates | Mainh | Color |
|--------|----------------|---------|--------|------------|----------|--------------|--------|----------------|
| number | mber Voltage (| Current | Spec | Standard | Parts no | Certificates | Weight | Coloi |
| | DC12V | 965mA | 12V10W | T16x35 15S | 35 15S 9 | | 0.34kg | - • R-Red |
| 01000 | DC24V | 565mA | 24V10W | T16x35 15S | 10 | C€ | 0.34kg | A-Amber |
| S100R | AC110V | 130mA | 12V10W | T16x35 15S | 9 | | 0.60kg | G-Green B-Blue |
| | AC220V | 65mA | 12V10W | T16x35 15S | 9 | | 0.60kg | |

[·] Protection rating: IP44

Technical Diagram

Units: mm





V belt type Power transfer system feature

Designed to minimize the abrasion of the belt, and to efficiently deliver torque from the drive shaft to the reflector.

Customization

 \cdot Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount.

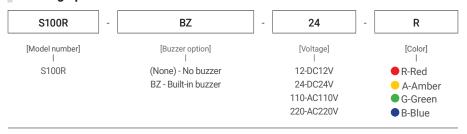


Wall Mount Bracket SWP125



Wall Mount Bracket SWM125

Ordering Specification



Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type
- : Black output line is negative(-) of polarity.
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.









S100UA - Enhanced diffusion through a special 12 sided diffusive lens





S100U / S100UA Bulb Revolving Warning Light

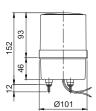
| Model | Model Voltage | | Bulb | | | 0 | Weight | Color |
|--------|---------------|---------|--------|------------|----------|--------------|--------|----------------|
| number | voitage | Current | Spec | Standard | Parts no | Certificates | weight | Coloi |
| | DC12V | 965mA | 12V10W | T16x35 15S | 9 | | 0.36kg | R-Red |
| S100U | DC24V | 565mA | 24V10W | T16x35 15S | 10 | CE | 0.36kg | A-Amber |
| S100UA | AC110V | 130mA | 12V10W | T16x35 15S | 9 | () | 0.59kg | G-Green B-Blue |
| | AC220V | 65mA | 12V10W | T16x35 15S | 9 | | 0.59kg | |

[·] Protection rating: IP44

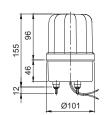
S100UA

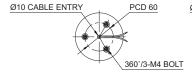


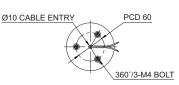
·S100U



·S100UA







Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative(-)
- · AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

 \cdot 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Product used dome type lens (Model number: S100UR)

Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount







S100UR

Wall Mount Bracket SWP125

Wall Mount Bracket SWM125

| S100U - | BZ | - 220 | - R |
|--|---|--|---|
| [Model number] S100U S100UA | [Buzzer option] (None) - No buzzer BZ - Built-in buzzer | [Voltage] 12-DC12V 24-DC24V 110-AC110V 220-AC220V | [Color] R-Red A-Amber G-Green B-Blue |











S100M Bulb Revolving Signal Light for Vehicle

| Model | Voltono | Cumant | | Bulb | | Certificates | Weight | Color |
|-----------------|---------|---------|--------|------------|----------|--------------|--------|----------------|
| Model number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | Coloi |
| C100M | DC12V | 965mA | 12V10W | T16x35 15S | 9 | | 0.37kg | R-Red A-Amber |
| S100M | DC24V | 565mA | 24V10W | T16x35 15S | 10 | C€ | 0.37kg | G-Green B-Blue |

 \cdot Three Powerful magnets provide strong adhesion to the vehicle

·S100M

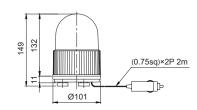
- · Power supply through cigarette lighter plug
- · Protection rating: IP54

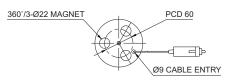


S100M

Technical Diagram

Units: mm



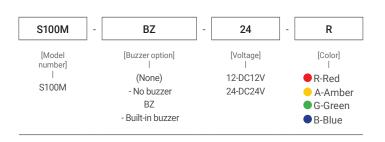


Wiring Instructions

 \cdot Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

· AC Type















PRODUCT SPECIFICATION

S100LR | S100MLR

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m **Protection rating** IP44, IP54

Revolving speed 120-140RPM Compliant with RoHS directive

- Ø100mm general purpose LED revolving warning light

- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Shock and vibration-resistant from vehicle operation with long-lasting LED
- Possible to select and use the specifications suitable for the usage environment between the general type and the built-in buzzer type

S100LR LED Revolving Warning Lights

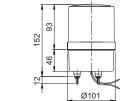
·S100LR

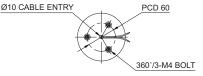
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|----------|
| C100LD | DC12V | 180mA | _ | 0.39kg | – R-Red |
| | DC24V | 125mA | | 0.39kg | A-Amber |
| S100LR | AC110V | 35mA | - | 0.47kg | G-Green |
| | AC220V | 20mA | | 0.47kg | ■ B-Blue |

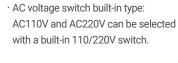
[·] Protection rating: IP44

Technical Diagram

Units: mm







UL1015 AWG18(0.75sq) x 2C 400mm

· This product can be wired regardless

Wiring Instructions

· External Power line

of polarity.

Customization

· 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Model number S100RLR / S100DR Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



S100RLR



S100DR



Wall Mount Bracket

SWP125



Wall Mount Bracket

SWM125

Feature of LED revolving warning lights

LED revolving warning lights has Qlight's distinctive LED light collecting system and special multifaceted reflector allowing excellent omni-directional visibility

Ordering Specification

S100LR ΒZ 220 R [Model number] [Buzzer option] [Voltage] [Color] S100LR 12-DC12V (None) R-Red - No buzzer 24-DC24V A-Amber ΒZ 110-AC110V G-Green - Built-in buzzer 220-AC220V B-Blue











S100MLR LED Revolving Warning Light for Vehicle

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|----------------|
| 0100MLD | DC12V | 180mA | | 0.37kg | R-Red A-Amber |
| S100MLR — | DC24V | 125mA | | 0.37kg | G-Green B-Blue |

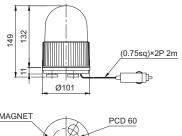
- · Three Powerful magnets provide strong adhesion to the vehicle
- \cdot Power is supplied through the cigarette lighter plug
- \cdot Shock and vibration-resistant from vehicle operation with long-lasting LED
- $\cdot \text{ Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector}$
- · Protection rating: IP54

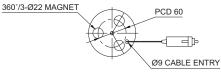


Technical Diagram

Units: mm





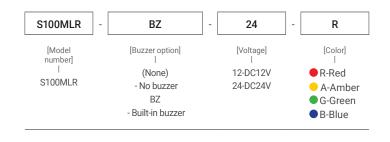


Wiring Instructions

· Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Customization

· AC Type

















PRODUCT SPECIFICATION

S100L

Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP44

Compliant with RoHS directive

- Ø100mm multi-purpose LED steady/ flashing signal light
- Shock and vibration-resistant and easy maintenance with long-lasting LED
- Built-in switch for selection between steady and flashing mode

S100L LED Steady/Flashing Signal Light

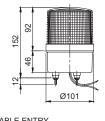
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------------|
| | DC12V-24V | Max.185mA | | 0.26kg | R-Red |
| \$100L | AC110V | 55mA | C€ | 0.45kg | A-Amber G-Green |
| | AC220V | 30mA | | 0.45kg | B-Blue |

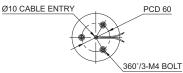
X CE Compliant: DC12V-24V

Technical **Diagram**

Units: mm

·S100L





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization

- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- · Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket **SWP125**



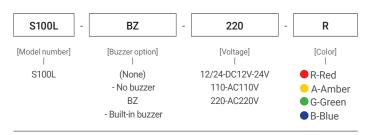
Wall Mount Bracket SWM125



Feature of indirect light diffusing system

Indirect light diffusing system emits intense and constant level of signal lights via multi reflector throughout the lens.

Ordering Specification









PRODUCT SPECIFICATION

S100S | S100SM

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø100mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector structure for convenient lamp replacement



S100S

\$100\$ Xenon Lamp Strobe Signal Lights

·S100S

| Model | Voltage Current — Xenon lamp Certificates | | Contificates | Weight | Color | | | | |
|--------|---|--------------|--------------|----------|----------|--------------|--------------------|---------------|-----------|
| number | voitage | Current | Spec | Standard | Parts no | Certificates | Weight | COIOI | |
| | DC12V -24V | Max. 1.3A | 200V | EUB0641 | | | | R-Red A-Amber | |
| S100S | AC110V | 160mA | -550V | -1A(G) | 48 | C€ | 48 CE 0.25k | 0.25kg | • G-Green |
| | AC220V | 140mA | | U Type | | | | ● B-Blue | |

% CE Compliant: DC12V-24V

S100SM Xenon Lamp Strobe Light Equipped with Magnet

| | Model | Voltage Current — Xenon lamp Certificates | | Weight | Color | | | | |
|--------|--------|---|--------------|---------------|-----------------------------|----------|--------------|--------|------------------------------|
| number | | voitage | Current | Spec | Standard | Parts no | Certificates | weight | COIOI |
| | S100SM | DC12V -24V | Max. 1.3A | 200V -550V | EUB0641 -1A(G) U Type | 48 | C€ | 0.34kg | R-Red A-Amber G-Green B-Blue |

Wiring Instructions

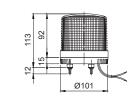
- · External Power line(S100S) UL1015 AWG18(0.75sq) x 2C 400mm
- · External Power line(S100SM) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- · This product can be wired regardless of polarity.

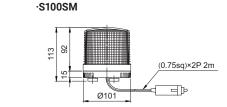
S100SM

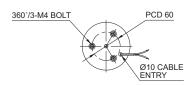
Xenon lamp replacement instructions

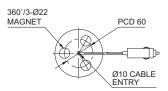
Convenient lamp replacement with connector lamp type. Lamp replacement is safe after the product is Powered off for 30 mins.

Technical Diagram Units: mm

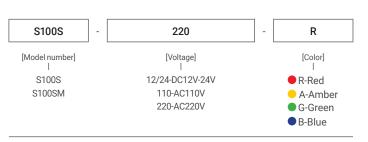








Ordering Specification



Customization

- · AC Type(S100SM)
- · Wall mount bracket options(S100S)
- : Bracket structure allows for threading through the bracket hole or into the wall mount



Bracket

SWP125

Wall Mount Wall Mount

Bracket

SWM125











S125R

PRODUCT SPECIFICATION

S125R I S125U S125M Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44, IP54

Revolving speed 120-140RPM

- Ø125mm standard-sized bulb revolving warning lights
- Adopts a special Power transmission system that reduces noise and wear

S125R Bulb Revolving Warning Light

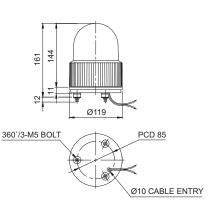
·S125R

| Model | Valtana | Cumant | | Bulb | | Contification | Walaha | Color |
|--------|---------|---------|--------|------------|----------|---------------|--------|-----------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | Weight | COIOI |
| | DC12V | 965mA | 12V10W | T16x35 15S | 9 | | 0.40kg | - • R-Red |
| 01050 | DC24V | 565mA | 24V10W | T16x35 15S | 10 | _ (€ | 0.40kg | A-Amber |
| S125R | AC110V | 130mA | 12V10W | T16x35 15S | 9 | | 0.65kg | • G-Green |
| | AC220V | 65mA | 12V10W | T16x35 15S | 9 | | 0.65kg | ● B-Blue |

- · Protection rating: IP44
- ※ CE Compliant: DC12V, DC24V

Technical Diagram

Units: mm



Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative(-)
- AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

· Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount



Wall Mount Bracket SWP125



Wall Mount Bracket SWM125

| S125R - | BZ - | 220 | - R |
|---------------------------------|--|---------------|---|
| [Model number] S125R | [Buzzer option] (None) - No buzzer BZ - Built-in buzzer | [Voltage] | [Color] R-Red A-Amber G-Green B-Blue |









S125U Bulb Revolving Warning Light

·S125U

| Model | Valtana | Current | Bulb | | | Contificates | Weight | Color |
|--------|---------|---------|--------|------------|----------|--------------|--------|-----------|
| number | Voltage | | Spec | Standard | Parts no | Certificates | weight | Color |
| | DC12V | 965mA | 12V10W | T16x35 15S | 9 | | 0.41kg | - • R-Red |
| S125U | DC24V | 565mA | 24V10W | T16x35 15S | 10 | CE | 0.41kg | A-Amber |
| | AC110V | 130mA | 12V10W | T16x35 15S | 9 | | 0.65kg | G-Green |
| | AC220V | 65mA | 12V10W | T16x35 15S | 9 | 0.65kg | | ● B-Blue |

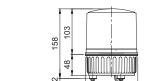
[·] Protection rating: IP44

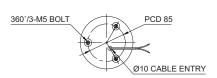


S125U

Technical Diagram

Units: mm





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative(-)
- \cdot AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount





Wall Mount Bracket SWP125

Wall Mount Bracket SWM125

| S125U - | BZ | - 220 | - R |
|----------------|-------------------|------------|---------------------------|
| [Model number] | [Buzzer option] | [Voltage] | [Color] |
| S125U | (None) | 12-DC12V | R-Red |
| | - No buzzer | 24-DC24V | A-Amber |
| | BZ | 110-AC110V | G-Green |
| | - Built-in buzzer | 220-AC220V | ● B-Blue |

[%] CE Compliant: DC12V, DC24V











R

A-Amber

G-Green

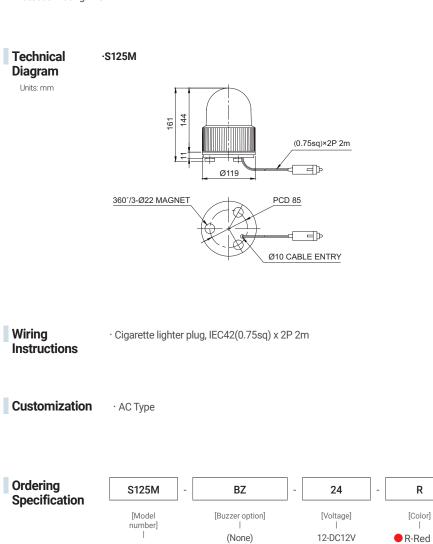
● B-Blue



S125M Bulb Revolving Signal Light for Vehicle

| Model | Valtaga | Cumant | Bulb | | | Certificates | Weight | Color |
|--------|---------|---------|------------------------|------------|--------------|--------------|--------|----------------|
| number | Voltage | Current | Spec Standard Parts no | | Certificates | weight | | |
| C12EM | DC12V | 965mA | 12V10W | T16x35 15S | 9 | (6 | 0.45kg | R-Red A-Amber |
| S125M | DC24V | 565mA | 24V10W | T16x35 15S | 10 | . (€ | 0.45kg | G-Green B-Blue |

- · Three Powerful magnets provide strong adhesion to the vehicle
- · Power supply through cigarette lighter plug
- · Protection rating: IP54



- No buzzer

B7

- Built-in buzzer

24-DC24V

S125M











PRODUCT SPECIFICATION

S125LR | S125MLR

Materials Lens-AS, Housing-ABS Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m Protection rating IP44, IP54

Revolving speed 120-140RPM Compliant with RoHS directive

- Ø125mm standard LED revolving warning lights
- Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- Can select between standard and built-in buzzer type depending on installation environment



S125LR

S125LR LED Revolving Warning Lights

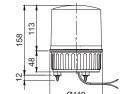
·S125LR

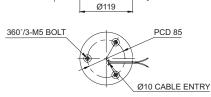
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|-----------|
| | DC12V | 420mA | | 0.43kg | - R-Red |
| C10ELD | DC24V | 265mA | | 0.43kg | A-Amber |
| S125LR - | AC110V | 80mA | | 0.66kg | • G-Green |
| - | AC220V | 45mA | | 0.66kg | B-Blue |

[·] Protection rating: IP44

Technical Diagram

Units: mm





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type
- : Black output line is negative()
- · AC voltage switch built-in type: AC110V and AC220V can be selected with a built-in 110/220V switch.

Customization

· 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep) buzzer output available

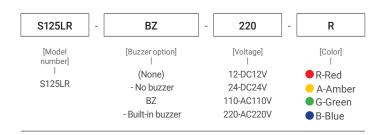
Same design with S125R Wall mount bracket options: Bracket structure allows for (Model number: S125RLR) threading through the bracket hole or into the wall mount

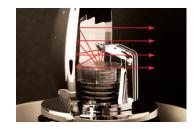
S125RLR



Wall Mount Bracket Wall Mount Bracket SWP125 SWM125

Ordering Specification





Feature of LED revolving warning lights

LED revolving warning lights has Qlight's distinctive LED light collecting system and special multifaceted reflector allowing excellent omni-directional visibility













\$125MLR LED Revolving Warning Lights for Vehivle

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|----------------|
| S125MLR - | DC12V | 420mA | _ | 0.46kg | R-Red A-Amber |
| 2173MITK - | DC24V | 265mA | | 0.46kg | G-Green B-Blue |

- · Three Powerful magnets provide strong adhesion to the vehicle
- · Power supply through cigarette lighter plug
- \cdot Shock and vibration-resistant from the vehicle with long-lasting LED light bulbs
- $\cdot \ \, \text{Excellent omni-directional visibility with LED light collecting system and special multi-faced reflector}$
- · Protection rating: IP54

·S125MLR Technical Diagram Units: mm 144 161 (0.75sq)×2P 2m dþ 360°/3-Ø22 MAGNET PCD 85 ₽ Ø10 CABLE ENTRY Wiring · Cigarette lighter plug, IEC42(0.75sq) x 2P 2m Instructions Customization · AC Type Ordering S125MLR ΒZ R Specification [Model number] [Color] [Buzzer option] [Voltage] 12-DC12V (None) R-Red S125MLR - No buzzer 24-DC24V A-Amber

ΒZ

- Built-in buzzer

G-Green

B-Blue











PRODUCT SPECIFICATION

Materials Lens-AS, Housing-ABS Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

FICATION Volume Max.90dB at 1m
Protection rating IP644

Flashing rate 60-80/min Compliant with RoHS directive

- Ø125mm standard LED steady/flashing signal lights
- Shock and vibration-resistant and easy maintenance with long-lasting LED light source
- Built-in switch for selection between steady and flashing mode
- Can select between standard and built-in buzzer type depending on installation environment



S125L

S125L LED Steady/Flashing Signal Light

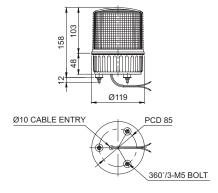
| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------------|
| | DC12V-24V | Max.300mA | | 0.33kg | R-Red |
| S125L | AC110V | 65mA | C€ | 0.51kg | A-Amber G-Green |
| - | AC220V | 35mA | | 0.51kg | B-Blue |

% CE Compliant: DC12V-DC24V

Technical Diagram

Units: mm

·S125L



Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization

- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

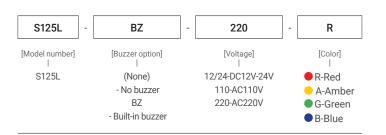






Wall Mount Bracket SWM125

Ordering Specification





Feature of indirect light diffusing system

Indirect light diffusing system emits intense and constant level of signal lights via multi reflector throughout the lens.









S125S



PRODUCT SPECIFICATION

S125S | S125SM

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Ø125mm xenon lamp strobe signal lights
- It has high instantaneous luminous efficiency and emits signal light close to natural light, providing excellent long-distance visibility
- Lamp connector structure for convenient lamp replacement

\$125\$ Xenon Lamp Strobe Signal Lights

| Model | Voltage | Current | Xenon lamp | | | Contificator | Weight | Oalan |
|--------|---------------|--------------|-----------------|------------------|----------|--------------|--------|------------------------------|
| number | | | Spec | Standard | Parts no | Certificates | weight | Color |
| | DC12V -24V | Max. 1.3A | - 200V -550V | EUB0641 | 48 | (€ | 0.37kg | R-Red A-Amber G-Green B-Blue |
| S125S | AC110V | 160mA | | -1A(G) U Type | | | 0.32kg | |
| | AC220V | 140mA | | | | | 0.32kg | |

[%] CE Compliant: DC12V-DC24V

S125SM Xenon Lamp Strobe Light Equipped with Magnet

| Model | Voltage | Current - | Xenon lamp | | | Cartificates | Weight | Color |
|--------|---------------|--------------|---------------|-----------------------------|----------|--------------|--------|------------------------------|
| number | | | Spec | Standard | Parts no | Certificates | weight | COIOI |
| S125SM | DC12V -24V | Max. 1.3A | 200V -550V | EUB0641 -1A(G) U Type | 48 | C€ | 0.40kg | R-Red A-Amber G-Green B-Blue |

Customization

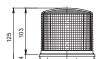
- · AC Type(S125SM)
- · Wall mount bracket options(S125S)
- : Bracket structure allows for threading through the bracket hole or into the wall mount



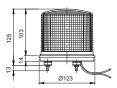


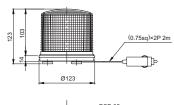
Wall Mount Bracket SWP125

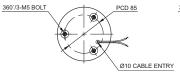
Wall Mount **Bracket** SWM125

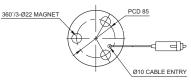


·S125S







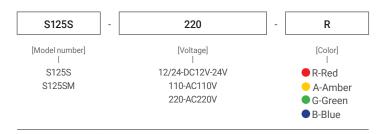


·S125SM

Wiring Instructions

Technical Diagram Units: mm

- · External Power line(S125S) UL1015 AWG18(0.75sq) x 2C 400mm
- · External Power line(S125SM) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- · This product can be wired regardless of polarity.



SK Series

٥٥٥





PRODUCT SPECIFICATION

SK | SKM SKMP | SKMPLR Materials Lens-PC, Housing-PC, Reflector-PC/STS Ambient operating temperature -20°C to +50°C

Protection rating IP54

Revolving speed 120-140RPM

- Adopts a special Power transmission system that reduces noise and wear
- Metal body structure inside the cover gives the product a stylish look
- Contains a spare bulb inside the product



SK / SKH

SK / SKH Streamlined Bulb Revolving Warning Lights

| Model | Voltage Current — Bulb Certificates | | Cautificator | Weight | Color | | | |
|--------|-------------------------------------|---------|--------------|-------------|----------|---|--------|-----------|
| number | voitage | Current | Spec | Standard | Parts no | | Weight | COIOI |
| SK | DC12V | 1.55A | 12V15W | G23 15S | 17 | | 0.54kg | - • R-Red |
| - SN | DC24V | 765mA | 24V15W | G23 15S | 18 | | 0.54kg | A-Amber |
| CKLI | DC12V | 3.5A | 12V35W | 15S halogen | 39 | - | 0.54kg | • G-Green |
| SKH | DC24V | 1.85A | 24V35W | 15S halogen | 40 | | 0.54kg | B-Blue |

[·] SKH: Features super-bright high intensity with 35W halogen bulb

SKM / SKMH Streamlined Bulb Revolving Warning Lights

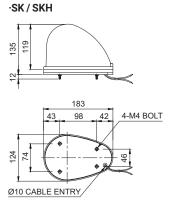
| Model number Voltage | Current | Bulb | | | Certificates | Weight | Color | |
|----------------------|---------|---------|--------|-------------|--------------|--------------|--------|---------------------------|
| | voitage | Current | Spec | Standard | Parts no | Certificates | weight | Coloi |
| CKM | DC12V | 1.55A | 12V15W | G23 15S | 17 | | 0.58kg | - • R-Red |
| SKM | DC24V | 765mA | 24V15W | G23 15S | 18 | | 0.58kg | A-Amber |
| CKMII | DC12V | 3.5A | 12V35W | 15S halogen | 39 | - | 0.59kg | G-Green |
| SKMH | DC24V | 1.85A | 24V35W | 15S halogen | 40 | | 0.59kg | B-Blue |

^{· 4} strong magnets enable secure attachment to the vehicle

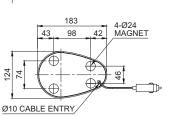
SKM / SKMH

Technical Diagram

Units: mm



·SKM / SKMH 119 (0.75sq)×2P 2m 4-Ø24 MAGNET 42





A spare bulb inside the SK Series allows for immediate bulb replacement when damaged.

Ordering **Specification**

| SKMH - | 24 | _ | R |
|----------------|-----------|---|---------------------------|
| [Model number] | [Voltage] | | [Color] |
| SK | 12-DC12V | | R-Red |
| SKH | 24-DC24V | | A-Amber |
| SKM | | | G-Green |
| SKMH | | | B-Blue |

Wiring Instructions

· Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

[·] SKH: Features super-bright high intensity with 35W halogen bulb

SK Series







Revolving warning lights with detachable rubber magnet for emergency response vehicles



SKMP/ SKMPH

PRODUCT SPECIFICATION

SKMP I SKMPH

Materials Lens-PC, Housing-PC, Reflector-PC/STS

Ambient operating temperature -20°C to +50°C

Protection rating IP54

Revolving speed 120-140RPM

- Exceptional attachment to vehicles which operate in shock and vibration environments The rubber magnet securely attaches along the curved surfaces of the vehicle
- Detachable rubber magnet equipped to prevent potential scratches in vehicle's surface
- Contains a spare bulb inside the product
- Easy Power connection with cigarette lighter plug equipped
- DC(12V, 24V) only

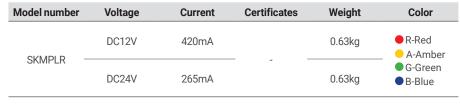


SKMPLR

SKMP / SKMPH Streamlined Bulb Revolving Warning Lights

| Model | Valtana | Current | | Bulb | | Certificates | Weight | Color |
|--------|---------|---------|--------|-------------|----------|--------------|--------|-----------------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | Weight | COIOI |
| CKMD | DC12V | 1.55A | 12V15W | G23 15S | 17 | | 0.78kg | - R-Red |
| SKMP | DC24V | 765mA | 24V15W | G23 15S | 18 | - | 0.78kg | A-Amber G-Green |
| CKMDII | DC12V | 3.5A | 12V35W | 15S halogen | 39 | | 0.78kg | |
| SKMPH | DC24V | 1.85A | 24V35W | 15S halogen | 40 | | 0.78kg | B-Blue |

SKMPLR Streamlined LED Revolving Warning Light



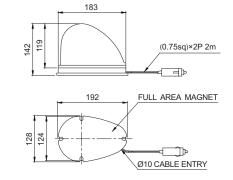
Special rubber magnet adheres securely to the vehicle's surface without damaging it!

SKMP, SKMPH, SKMPLR has a largesized rubber magnet to prevent potential damage on the vehicle's surface. The special rubber magnet adheres securely to the vehicle and it does not be detached from sudden deceleration and road impacts.

Customization

· Oval-shaped rubber magnet

·SKMP / SKMPH / SKMPLR



Wiring Instructions

Technical

Diagram

Units: mm

· Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

| SKMP | - 24 | - | R |
|----------------|-----------|---|---------------------------|
| [Model number] | [Voltage] | | [Color] |
| SKMP | 12-DC12V | | R-Red |
| SKMPH | 24-DC24V | | A-Amber |
| SKMPLR | | | G-Green |
| | | | ● B-Blue |

SK Series









PRODUCT SPECIFICATION

SKLR I SKMLR

Materials Lens-AS, Housing-ABS Reflector-Heat resistant ABS

Ambient operating temperature -20°C to +50°C

Protection rating IP54

Revolving speed 120-140RPM Compliant with RoHS directive

- Ø70mm xenon lamp strobe signal lights
- High efficiency strobe light that offers excellent outdoor visibility and longdistance signal light luminance close to natural light
- Lamp connector fastening structure allows for convenient lamp replacement
- Bottom nut base allows for convenient mounting



SKLR

SKLR Streamlined LED Revolving Warning Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|-----------------|
| | DC12V | 420mA | | 0.38kg | R-Red A-Amber |
| SKLR | DC24V | 265mA | - | 0.38kg | G-Green B-Blue |

- · Has a 4 bolt structure to fix the product
- · Compliant with RoHS directive

SKMLR Streamlined LED Revolving Warning Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|----------------|
| | DC12V | 420mA | | 0.46kg | R-Red A-Amber |
| SKMLR | DC24V | 265mA | | 0.46kg | G-Green B-Blue |

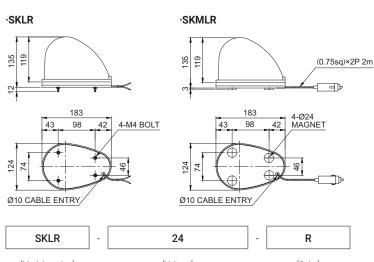
^{· 4} strong magnets enable secure attachment to the vehicle

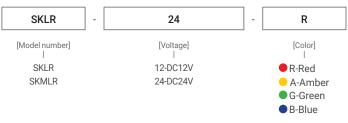
Wiring Instructions

- · External Power line(SKLR) UL1015 AWG18(0.75sq) x 2C 400mm
- · External Power line(SKMLR) Cigarette lighter plug, IEC42(0.75sq) x 2P 2m
- · DC Type: Black output line is negative(-)

Technical Diagram

Units: mm







SKMLR

SKTL Series















Customization

· Strobe left and right, Flashing left and right(SKTL/SKTLB)

Wiring Instructions

- · External Power line(SKTL) UL1015 AWG18(0.75sq) x 2C 400mm
- · External Power line(SKTLB) UL2464 AWG18(0.75sq) x 3C 400mm
- · This product is black output line is negative(-).

PRODUCT SPECIFICATION

SKTL I SKTLB SKTLM I SKTLBM

Materials Lens-PC, Housing-PC Ambient operating temperature -30°C to +50°C **Protection rating IP66** Flashing rate 60-80/min

- High brightness LED with special light filter structure provides clear signal light transmis-sion even in outdoor environments with intense sunlight
- Excellent vibration and impact resistance with use of polycarbonate lens
- Lens with special coating material maintains transparency even when exposed to harsh environments where scratches, dust and direct sunlight is possible
- Water resistant, dustproof, and weather resistant structure provides excellent durability under harsh environments such as rainstorms, frost, and intense heat
- Different lights from side to side improve efficiency of emergency signal transmission effect (SKTLM/ SKTLBM)
- 4 strong magnets enable secure attachment to the desired place(SKTLM/ SKTLBM)
- Convenient emergency signal sound control with built-in ON/OFF switch(SKTLBM)
- Can select between standard and built-in buzzer type depending on installation environment

SKTL Cube-Shaped LED Warning Light, Direct Mount

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------------|---------------|--------------|--------|--------------------------------------|
| SKTL | DC12V -24V | Max. 880mA | C€ | 0.35kg | R-Red A-Amber G-Green B-Blue W-White |

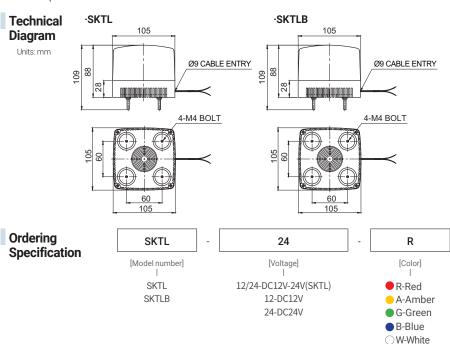
[·] Light effect: Strobe

SKTLB Cube-Shaped LED Warning Light with Built-in Siren Buzzer, Direct Mount

| Model number | Voltage | Current | Certificates | Weight | Volume | Color |
|--------------|---------|---------|--------------|--------|-------------|-----------------------|
| CIATI D | DC12V | 1.13A | - (€ - | 0.45kg | - Max.105dB | R-Red A-Amber G-Green |
| SKTLB | DC24V | 560mA | | 0.45kg | iviax.1050B | B-Blue W-White |

[·] Light effect: Strobe

[%] CE compliant: DC24V



[※] CE compliant: DC12V-24V

Cubic LED Warning Lights for Vehicles

SKTL Series











SKTLM-Normal cigarette lighter plug,

SKTLBM-Operation controlled by ON/OFF switch attached to the cigarette plug

SKTLM Cube-Shaped LED Warning Light for Vehicles with Magnet

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------------|---------------|--------------|--------|--------------|
| SKTLM | DC12V -24V | Max. 275mA | C€ | 0.45kg | R/B-Red/Blue |

- · 4 strong magnets enable secure attachment to curved vehicle surfaces
- · Light effect : Flashing left and right
- **%** CE compliant: DC12V-24V



SKTLBM Cube-Shaped LED Warning Light with Built-in Siren Buzzer with magnet, Direct Mount

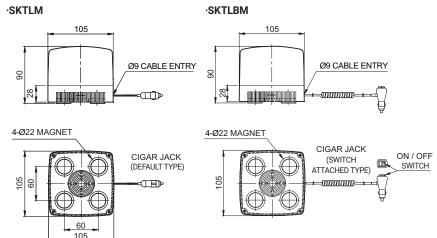
| Model number | Voltage | Current | Certificates | Weight | Volume | Color |
|--------------|---------|---------|----------------|--------|-------------|--------------|
| CIVIL DAM | DC12V | 480mA | - (6 - | 0.55kg | May 105dD | 0.00 |
| SKTLBM - | DC24V | 290mA | - (6 - | 0.55kg | - Max.105dB | R/B-Red/Blue |

- · Sound volume: Max.105dB at 1m
- · Easy control of warning sound with built-in ON/OFF switch
- · Light effect : Flashing left and right
- ※ CE compliant: DC24V

SKTLBM

Technical Diagram

Units: mm



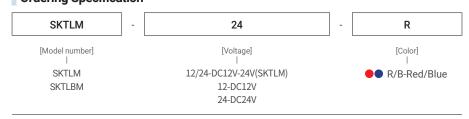


The special rubber magnet adheres securely to the vehicle without damaging the surface of the vehicle!

Wiring Instructions

· Cigarette lighter plug, IEC42(0.75sq) x 2P 2m

Ordering Specification



Customization

- Color combination except for standard
- · Strobe, Strobe left and right (SKTLM/SKTLBM)

Q60L Series



Q60L



Q60LW

PRODUCT SPECIFICATION

Q60L | Q60LW | Q60LP

Materials Lens-PC, Housing-ABS, Mounting bracket-PC Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m **Protection rating** IP65

Flashing rate 60-80/min

Compliant with RoHS directive

- Small-sized signal lights of 60mm diameter with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulbs
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment

Q60L / Q60LW / Q60LP LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------|-------------|-----------|--------------|--|-----------------------|
| Q60L | DC12V-24V | Max.155mA | C€ | Q60L-0.13kg Q60LW-0.45kg | R-Red A-Amber |
| Q60LW Q60LP | AC110V-220V | Max.60mA | (UL) | Q60LP-1.06kg (Weight Above Include QZ18) | ● G-Green ● B-Blue |

- · Various mounting options are available
- * DC type model has a free-voltage range of 10V-30V.
- * AC type model has a free-voltage range of 100V-240V.
- W UL Listed: DC24V

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization · Customized pole length available

Wiring Instructions

Pole mount type

Standard LB18 LW18 QZ18 SZ18 QL18 SL18

Steel Steel ABS ABS AI ABS AI

[※] Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions







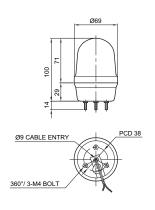




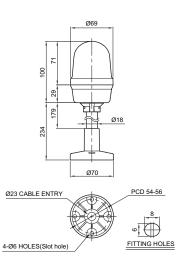
Technical Diagram

Units: mm

·Q60L(Direct Mount)



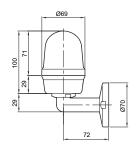
·Q60LP(Pole Mount)

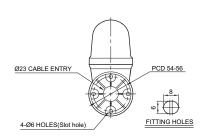




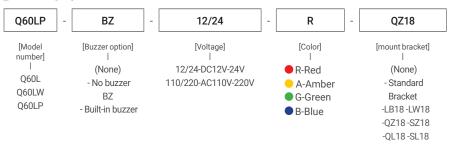
Q60LP (SZ18 Bracket)

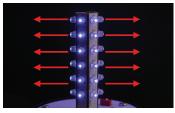
·Q60LW(Wall Mount)





Ordering Specification





Direct Light Distribution LED Type

High brightness LED with a direct light distribution system makes the signal bright and clear; visible even from long distances.

Q80L Series



Q80L

PRODUCT SPECIFICATION

Q80L | Q80LW | Q80LP

Materials Lens-PC, housing-ABS, mounting bracket-PC
Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m **Protection rating** IP65

Flashing rate 60-80/min

Compliant with RoHS directive

- Small-sized signal light of Ø80mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energyefficient LED light bulb
- Selectable mounts available depending on your application environment(direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment



Q80LW

Q80L / Q80LW / Q80LP LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------|-------------|-----------|--------------|--|----------------|
| Q80L | DC12V-24V | Max.205mA | C€ | Q80L-0.15kg Q80LW-0.57kg | R-Red A-Amber |
| Q80LW Q80LP | AC110V-220V | Max.65mA | (UL) | Q80LP-1.09kg (Weight Above Include QZ24) | G-Green B-Blue |

- · Various mounting options are available
- ※ DC type model has a free-voltage range of 10V-30V.
- * AC type model has a free-voltage range of 100V-240V.
- W UL Listed: DC24V

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization · Customized pole length available

Mounting Bracket



Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions.





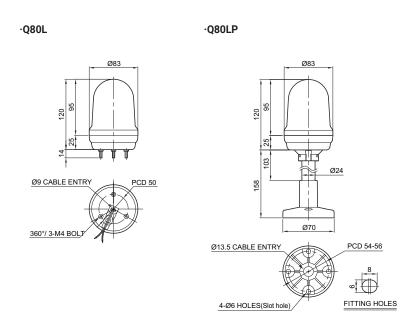






Technical Diagram

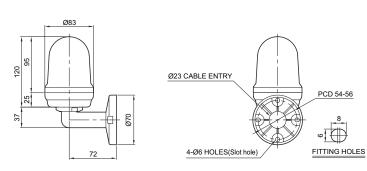
Units: mm





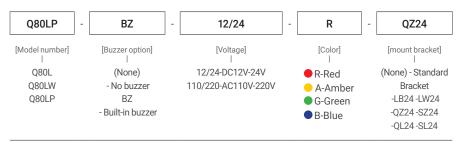
Q80LP (SZ24 Bracket)

·Q80LW



PCD 54-56

٥



Q100L Series



Q100L





Q100LW

PRODUCT SPECIFICATION

Q100L | Q100LW | Q100LP

Materials Lens-PC, housing-ABS, mounting bracket-PC Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Flashing rate 60-80/min

Compliant with RoHS directive

- Small-sized signal light of Ø100mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energyefficient LED light bulb
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment

Q100L / Q100LW / Q100LP LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|------------------|-------------|-----------|--------------|--|-----------------------|
| Q100L | DC12V-24V | Max.270mA | C€ | Q100L-0.28kg Q100LW-0.70kg Q100LP-1.22kg | R-Red A-Amber |
| Q100LW Q100LP | AC110V-220V | Max.80mA | (II) | (Weight Above Include QZ24) | ● G-Green ● B-Blue |

- · Various mounting options are available
- ※ DC type model has a free-voltage range of 10V-30V.
- AC type model has a free-voltage range of 100V-240V.
- **%** UL Listed: DC12V-24V

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization · Customized pole length available

Mounting Bracket

| Standard | LB24 | LW24 | QZ24 | SZ24 | QL24 | SL24 |
|----------|----------|------|------|------|------|------|
| 5 | 3 | | | | 1 | 2 |
| Steel | Steel | ABS | ABS | Al | ABS | Al |

Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions.







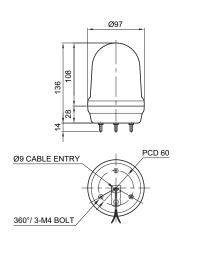




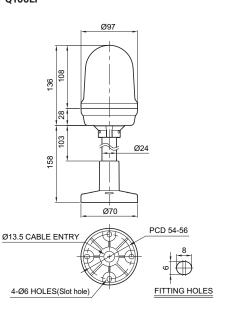
Technical Diagram

Units: mm





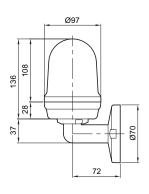
-Q100LP

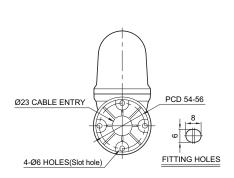


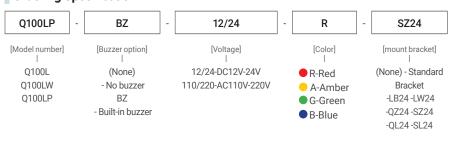


Q100LP (SZ24 Bracket)

∙Q100LW







Q125L Series



Q125L



PRODUCT SPECIFICATION

Q125L | Q125LW | Q125LP

Materials Lens-PC, housing-ABS, mounting bracket-PC Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Flashing rate 60-80/min60-80/min

Compliant with RoHS directive

- Small-sized signal light of Ø125mm with attractive appearance
- Shock and vibration-resistant, maintenance reduced with long-lasting energy-efficient LED light bulb
- Selectable mounts available depending on your application environment (direct mount, wall mount, pole mount)
- Features high visibility with special diffusive lens and direct LED light distribution system
- Built-in switch for selection between steady and flashing light mode
- Can select between standard and built-in buzzer type depending on installation environment

Q125L / Q125LW / Q125LP LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|------------------|-------------|-----------|--------------|---|-----------------------|
| Q125L | DC12V-24V | Max.270mA | C€ | Q125L-0.34kg Q125LW-0.76kg | R-Red A-Amber |
| Q125LW Q125LP | AC110V-220V | Max.80mA | (UL) | Q125LP-1.28kg (Weight above include QZ24) | ● G-Green ● B-Blue |

- · Various mounting options are available
- DC type model has a free-voltage range of 10V-30V.
- $\fint AC$ type model has a free-voltage range of 100V-240V.
- **% UL Listed: DC12V-24V**

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization · Customized pole length available

Mounting Bracket

| Standard | LB24 | LW24 | QZ24 | SZ24 | QL24 | SL24 |
|----------|----------|------|------|------|------|------|
| | 3 | | | | 1 | |
| Steel | Steel | ABS | ABS | Al | ABS | Al |

Please refer to [Tower Light Mounting Bracket] on this catalogue for detailed dimensions.







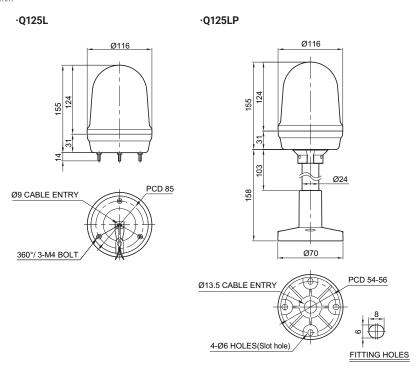






Technical Diagram

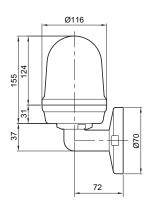
Units: mm

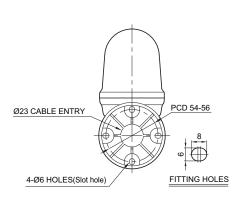


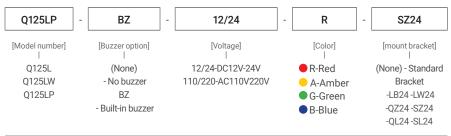


Q125LP (SZ24 Bracket)

·Q125LW







Ø100mm Simulated Revolving, Flashing, Strobe beacon light

EQ100













PRODUCT SPECIFICATION

EQ100

Materials Lens-PC, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m(Built-in buzzer type)

Protection rating IP44

 $\textbf{Simulated revolving type(LR) flashing rates} \ 120\text{-}140 \text{RPM}$

Strobe type(LS) flashing rates 70-80/min Compliant with RoHS directive

- Standard-sized signal lights of Ø100mm with attractive appearance
- Direct mount type with the three bolts/screws located on the bottom of the product
- Shock and vibration-resistant, maintenance reduced with long-lasting energy efficient LED ligh
- Features high visibility with special diffusive lens and direct LED light distribution system

Manual switch to select operation

· Please refer to the chart below to use light function selection switch located inside the product.

| ON=1 OFF=0 | Light function |
|------------|----------------------------------|
| ON | LED Strobe |
| OFF | LED Simulated revolving flashing |

EQ100 Ø100mm Simulated Revolving, Flashing, Strobe beacon light

| | | | | | _ |
|--------------|---------|---------|--------------|--------|-----------------------|
| Model number | Voltage | Current | Certificates | Weight | Color |
| EQ100 | DC24V | 95mA | | 0.201 | R-Red A-Amber |
| EQ100-BZ | AC220V | 160mA | | 0.30kg | ● G-Green ● B-Blue |

Operation





· LED Simulated Revolving

LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect

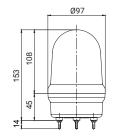


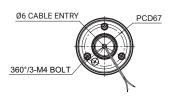


· LED Strobe

Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current Technical ·EQ100 Diagram

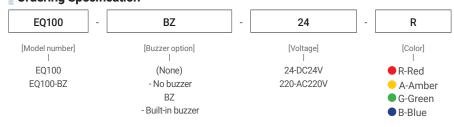
Units: mm





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- tructions · DC Type: Black output line is negative(-)











PRODUCT SPECIFICATION

S150U I 150ULR S150U-FT | 150ULR-FT Materials Lens-PC, Housing-ABS, Reflector-PC, Reflector-Heat resistant ABS, Mounting bracket-STS316L Ambient operating temperature -20°C to +50°C Volume Max.90dB at 1m

Protection rating IP44

Revolving speed 120-140RPM

- Special Power transmission system which allows low noise and less wear
- Mounting bracket allows convenient installation in case of XXX-FT type
- Can select between standard and built-in buzzer type depending on installation environment

S150U / S150U-FT Bulb Revolving Warning Light

| Model | Valtana | 0 | | Bulb | | 0 | \A/ = : 4 | Oalan |
|----------|---------|---------|--------|----------|----------|--------------|-------------|-----------|
| number | Voltage | Current | Spec | Standard | Parts no | Certificates | Weight | Color |
| | DC12V | 1.5A | 12V15W | G23 15S | 17 | | 0.65kg | - • R-Red |
| S150U | DC24V | 850mA | 24V15W | G23 15S | 18 | | 0.65kg | A-Amber |
| S150U-FT | AC110V | 200mA | 12V15W | G23 15S | 17 | C€ | 1.04kg | G-Green |
| | AC220V | 100mA | 12V15W | G23 15S | 17 | | 1.04kg | ● B-Blue |

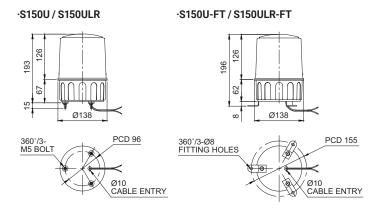
[·] Suitable for Long distance signal transmission by adopting high capacity bulb and large sized reflector **X** CE compliant: DC12V, DC24V

S150ULR / S150ULR-FT LED Revolving Warning Lights

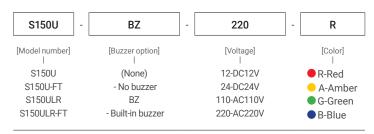
| Model number | Voltage | Current | Certificates | Weight | Color |
|---------------------------|---------|-------------|--------------|--------|-----------|
| | DC12V | 520mA | | 0.66kg | − • R-Red |
| S150ULR _ S150ULR-FT _ | DC24V | DC24V 260mA | | 0.66kg | A-Amber |
| | AC110V | 80mA | - | 0.85kg | • G-Green |
| | AC220V | 45mA | | 0.85kg | B-Blue |

[·] Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector

Technical Diagram Units: mm



Ordering **Specification**





S150U



S150ULR-FT

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type
- : Black output line is negative()
- · S150U AC specifications: 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.
- · S150ULR AC specifications: AC110V and AC220V can be selected with a built-in 110/220V switch.

Customization

· 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available







S150R

S150R-FT

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type
- : Black output line is negative()
- · S150R AC specifications: 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.
- · S150RLR AC specifications: AC110V and AC220V can be selected with a built-in 110/220V switch.

PRODUCT SPECIFICATION

S150R I S150RLR S150R-FT | S150RLR-FT Materials Lens-PC, Housing-STS, Reflector-PC, Reflector-Heat resistant ABS, Mounting bracket-STS316L Ambient operating temperature -20°C to +50°C

Protection rating IP44

- Revolving speed 120-140RPM
- Stainless Steel(STS) housing allows excellent anti-corrosiveness and durability
- Mounting bracket allows convenient installation in case of XXX-FT type
- Can select between standard and built-in buzzer type depending on installation environment

S150R / S150R-FT Bulb Revolving Warning Light

| Model | Voltage | Cumant | | Bulb | | Contificator | Weight | Color |
|----------|---------|---------|--------|----------|----------|--------------|--------|-----------|
| number | voitage | Current | Spec | Standard | Parts no | Certificates | weight | Color |
| | DC12V | 1.5A | 12V15W | G23 15S | 17 | | 0.85kg | - • R-Red |
| S150R | DC24V | 850mA | 24V15W | G23 15S | 18 | | 0.85kg | A-Amber |
| S150R-FT | AC110V | 200mA | 12V15W | G23 15S | 17 | (€ | 1.24kg | G-Green |
| - | AC220V | 100mA | 12V15W | G23 15S | 17 | - | 1.24kg | B-Blue |

[·] Suitable for Long distance signal transmission by adopting high capacity bulb and large sized reflector ※ CE compliant: DC12V, DC24V

S150RLR / S150RLR-FT LED Revolving Warning Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|-----------|
| | DC12V | 520mA | | 0.77kg | - R-Red |
| S150RLR | DC24V | 260mA | | 0.77kg | A-Amber |
| S150RLR-FT | AC110V | 80mA | | 1.16kg | • G-Green |
| _ | AC220V | 45mA | | 1.16kg | B-Blue |

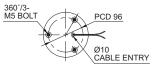
 $[\]cdot \ \, \text{Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector}$

Technical Diagram

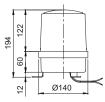
Units: mm

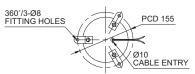
122 189

·S150R / S150RLR



·S150R-FT / S150RLR-FT





| S150R - | BZ | - 220 | - R |
|------------------------------|--------------------------------|----------------------------|-------------------------|
| [Model number] S150R | [Buzzer option] (None) | [Voltage] 12-DC12V | [Color] R-Red |
| S150R S150R-FT S150RLR | - No buzzer BZ | 24-DC24V 110-AC110\ | A-Amber |
| S150RLR-FT | - Built-in buzzer | 220-AC220\ | / ■ B-Blue |









PRODUCT SPECIFICATION

S150UL | S150US S150UL-FT | S150US-FT Materials Lens-PC, Housing-ABS,

Reflector-Heat resistant ABS, Mounting bracket-STS316L

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Flashing rate 60-80/min

- Can select between standard and built-in buzzer type depending on installation environment
- Mounting bracket allows convenient installation in case of XXX-FT type

S150UL / S150UL-FT LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------------|-----------|-----------|--------------|--------|-----------------------|
| \$150UL \$150UL-FT | DC12V-24V | Max.300mA | _ | 0.52kg | R-Red A-Amber G-Green |
| | AC110V | 70mA | - | 0.92kg | |
| | AC220V | 35mA | | 0.92kg | B-Blue |

[·] Built-in switch for selection between steady and flashing mode

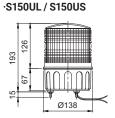
\$150US / \$150US-FT Xenon Lamp Strobe Signal Lights

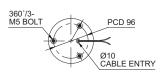
| Model | Voltage | Current | Xenon lamp | | | Certificates | Weight | Color |
|---------|---------------|--------------|------------|------------------|----------|--------------|--------|----------------|
| number | | | Spec | Standard | Parts no | Certificates | weight | COIOI |
| S150US | DC12V -24V | Max. 1.3A | 200V | EUB0641 | | | 0.56kg | R-Red |
| S150US- | AC110V | 160mA | -550V | -1A(G) U Type | 48 | - | 0.54kg | G-Green B-Blue |
| FT | AC220V | 140mA | | | | | 0.54kg | |

[·] Connector type lamp socket allows convenient lamp replacement

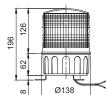
Technical Diagram

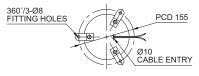
Units: mm





·S150UL-FT / S150US-FT





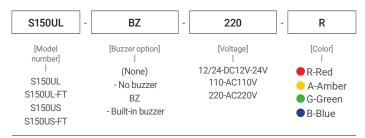
Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq)×2C 400mm
- · Product can be wired regardless of polarity

Customization

- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available.
- · Hyper illuminance xenon lamp type(model number: S150UHS / S150UHS-FT)

Ordering Specification





S150UL / S150US



S150UL-FT / S150US-FT



Hyper illuminance xenon lamp

- · S150US/S150US-FT can be optionally equipped with a hyper illuminance xenon lamp bulb BH0647(G) upon the customer's request.(model number : S150UHS/S150UHS-FT)
- · Dimension, mounting hole and other functions are identical with normal type.







S150RL / S150RS



S150RL-FT / S150RS-FT

PRODUCT SPECIFICATION

S150RL | S150RS

Materials Lens-PC, Housing-STS,

Reflector-Heat resistant ABS, Mounting bracket-STS316L

Ambient operating temperature -30°C to +50°C

Protection rating IP44

Flashing rate 60-80/min

- Stainless Steel(STS) housing allows excellent anti-corrosiveness and durability
- Can select between standard and built-in buzzer type depending on installation environment
- Mounting bracket allows convenient installation in case of XXX-FT typ

S150RL / S150RL-FT LED Steady/Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|------------------|-----------|-----------|--------------|--------|-----------------|
| S150RL S150RL-FT | DC12V-24V | Max.300mA | | 0.64kg | R-Red |
| | AC110V | 70mA | - | 0.92kg | A-Amber G-Green |
| | AC220V | 35mA | | 0.92kg | B-Blue |

[·] Built-in switch for selection between steady and flashing mode

S150RS / S150RS-FT Xenon Lamp Strobe Signal Lights

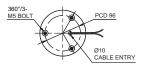
| Model | Voltage | Current | Xenon lamp | | | Certificates | Weight | Color |
|-----------|---------------|--------------|-----------------|-----------------------------|----------|--------------|--------|------------------------------|
| number | | | Spec | Standard | Parts no | Certificates | weight | Coloi |
| S150RS | DC12V -24V | Max. 1.3A | - 200V -550V | EUB0641 -1A(G) U Type | 48 | - · | 0.68kg | R-Red A-Amber G-Green B-Blue |
| S150RS-FT | AC110V | 160mA | | | | | 0.66kg | |
| | AC220V | 140mA | | | | | 0.66kg | |

[·] Connector type lamp socket allows convenient lamp replacement

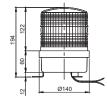
Technical Diagram

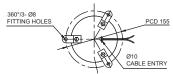
Units: mm

·S150RL / S150RS



·S150RL-FT / S150RS-FT





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

Customization

· Hyper illuminance xenon lamp type(model number: S150RHS/S150RHS-FT)

| S150RS | - 220 | _ | R |
|----------------|-----------------|---|-----------|
| [Model number] | [Voltage] | | [Color] |
| S150RL | 12/24-DC12V-24V | | R-Red |
| S150RL-FT | 110-AC110V | | A-Amber |
| S150RS | 220-AC220V | | • G-Green |
| S150RS-FT | | | B-Blue |





PRODUCT SPECIFICATION

S180R | S180R-FT

Materials Lens-AS, Housing-STS, Reflector-PC Mounting bracket-STS316L

Ambient operating temperature -20°C to +50°C

Protection rating IP44

Revolving speed 120-140RPM

- Features high durability with housing made of corrosion-proof stainless steel
- Excellent long distance signal transmission effect with 35W capacity bulb and dual reflectors
- FT Models: Easy installation with flange brackets



S180R / S180R-FT Bulb Revolving Warning Light

| Model | Voltage | Current | Bulb | | | Certificates | Weight | Color |
|----------|---------|---------|--------|----------|----------|--------------|--------|---------------------------|
| number | | | Spec | Standard | Parts no | Certificates | weight | |
| | DC12V | 3.4A | 12V35W | RP35 15S | 29 | - | 1.22kg | R-Red A-Amber |
| S180R | DC24V | 1.65A | 24V35W | RP35 15S | 30 | | 1.22kg | |
| S180R-FT | AC110V | 410mA | 12V35W | RP35 15S | 29 | C€ | 1.99kg | G-Green |
| | AC220V | 190mA | 12V35W | RP35 15S | 29 | | 1.99kg | ■ B-Blue |

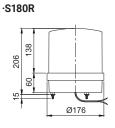
% CE compliant: DC24V



S180R-FT

Technical Diagram

Units: mm



138 210 8



·S180R-FT

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative()
- \cdot For the wiring of 110 & 220VAC combination model, 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.

| S180R-FT - | 24 | R |
|----------------|------------|---------------------------|
| [Model number] | [Voltage] | [Color] |
| S180R | 12-DC12V | R-Red |
| S180R-FT | 24-DC24V | A-Amber |
| | 110-AC110V | G-Green |
| | 220-AC220V | B-Blue |













S180U

PRODUCT SPECIFICATION

S180U

Materials Lens-AS, Housing-ABS, Reflector-PC Ambient operating temperature -20°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Revolving speed 120-140RPM

- Excellent long distance signal transmission effect with 35W capacity bulb and dual reflectors
- A spare bulb is provided inside the product for quick replacement if provided

S180U Bulb Revolving Warning Light

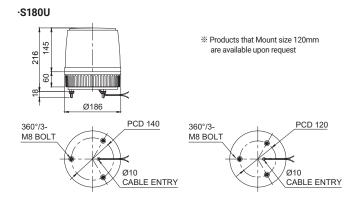
| Model | Voltage | Current | Bulb | | | Cautificates | Weight | Color |
|--------|---------|---------|--------|----------|----------|--------------|--------|---------------|
| number | | | Spec | Standard | Parts no | Certificates | weight | COIOI |
| | DC12V | 3.4A | 12V35W | RP35 15S | 29 | - | 0.89kg | R-Red A-Amber |
| 010011 | DC24V | 1.65A | 24V35W | RP35 15S | 30 | | 0.89kg | |
| S180U | AC110V | 410mA | 12V35W | RP35 15S | 29 | C€ | 1.65kg | G-Green |
| | AC220V | 190mA | 12V35W | RP35 15S | 29 | | 1.65kg | ■ B-Blue |

% CE compliant: DC24V

S180U has a spare bulb inside the product for easy replacement if required.

Technical Diagram

Units: mm



Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative()
- · For the wiring of 110 & 220VAC combination model, 110VAC model is connected to black and white wires while 220VAC model is connected to black and red wires.

Customization

- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- · The product mount hole size 120mm (PCD 120mm)

| S180U | - BZ | - 220 | - R |
|----------------|--|--|--|
| [Model number] | [Buzzer option] | [Voltage] | [Color] |
| S180U | (None) - No buzzer BZ - Built-in buzzer | 12-DC12V 24-DC24V 110-AC110V 220-AC220V | R-RedA-AmberG-GreenB-Blue |









PRODUCT SPECIFICATION

S180US | S180UHS

Materials Lens-ABS, Housing-ABS

Ambient operating temperature 30°C to +50°C

Volume Max.90dB at 1m

Protection rating IP44

Flashing rate 60-80/min(2 time consecutively flashing off or two in a row)

- Excellent long distance visibility from flashing light of the high capacity xenon lamp
- Adopts a translucent lens which provides a luminous light and subdued signal
- Convenient lamp change adopts lamp connector type structure
- Can select between standard and built-in buzzer type depending on installation environment



S180US / S180UHS

\$180US Xenon Lamp Strobe Signal Lights

| | Model | Valtana | 0 | Xenon lamp | | | Cautificator | Weight | Color |
|--|--------|---------------|---------------|---------------|------------------|----------|--------------|--------|------------------------------|
| | number | Voltage | Current | Spec | Standard | Parts no | Certificates | weight | COIOI |
| | S180US | DC12V -24V | Max. 1.35A | 280V -400V | BH0647 (G) 40 | 40 | - | 9 | R-Red A-Amber G-Green B-Blue |
| | | AC110V | 300mA | | W Type | 49 | | | |
| | | AC220V | 220mA | | | | | 0.80kg | |

\$180UH\$ Hyper Brightness Xenon Lamp Strobe Signal Light

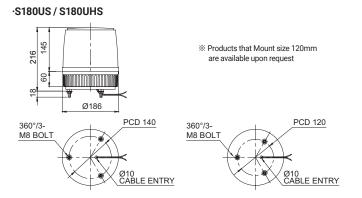
| Model | Voltage | Current | Xenon lamp | | | Contificator | Weight | Color |
|---------|---------------|---------------|---------------|---------------|----------|--------------|--------|------------------------------|
| number | voitage | | Spec | Standard | Parts no | Certificates | weight | COIOI |
| S180UHS | DC12V -24V | Max. 2.28A | 280V -400V | BH0647 (G) | | - | 1.18kg | R-Red A-Amber G-Green B-Blue |
| | AC110V | 890mA | | W Type | 49 | | 1.02kg | |
| | AC220V | 500mA | | | | | 1.02kg | |

S180UHS type is a product that improves long distant visibility by equipping three high-intensity xenon lamps.

The high performance product is typically used in habor where there is fog, or mills/steel mills where there is dust.

Technical Diagram

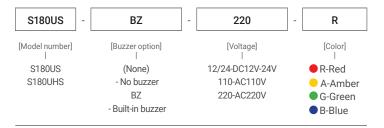




Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · DC Type: Black output line is negative(-)

Ordering Specification



Customization

- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available
- · The product mount hole size 120mm (PCD 120mm)

MFL Series

Operating steady/flashing, strobe, simulated revolving flashing, Multiple function LED signal lights



MFL60

PRODUCT SPECIFICATION

MFL60 | MFL80 MFL100 | MFL125 Materials Lens-PC, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Simulated revolving type(LR) flashing rates 120-140RPM

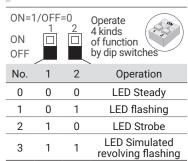
Flashing type(LF) flashing rates 60-80/min

Strobe type(LS) flashing rates 70-80/min

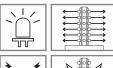
Compliant with RoHS directive

- Product has multi functions of LED Steady/Flashing, strobe, and simulated revolving
- Operating options with switches inside product or external connect
- Shock and vibration-resistant, maintenance reduced with long-lasting energyefficient LED light bulb
- Can select between standard and built-in buzzer type depending on installation environment
- M12 connector type is optionally available (Female M12 connector is not provided)

Manual switch to select operation

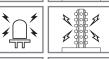


Operation



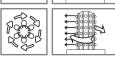
· LED Steady/Flashing

Repeat operation of LED signal light on/off



· LED Strobe

Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current



· LED Simulated Revolving

LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect

MFL60 Ø60mm Multiple Function LED Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------|-------------|-----------|--------------|--------|----------------|
| MELCO | DC12V-24V | Max.118mA | CE | 0.21kg | R-Red A-Amber |
| MFL60 | AC110V-220V | Max.60mA | (UL) | 0.32kg | G-Green B-Blue |

^{*} UL Listed: DC12V-24V

MFL80 Ø80mm Multiple Function LED Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------|-------------|-----------|--------------|--------|----------------|
| MELOO | DC12V-24V | Max.118mA | CE | 0.28kg | R-Red A-Amber |
| MFL80 | AC110V-220V | Max.75mA | (UL) | 0.51kg | G-Green B-Blue |

^{*} UL Listed: DC12V-24V

MFL100 Ø100mm Multiple Function LED Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-------------|-----------|--------------|--------|----------------|
| 1451.400 | DC12V-24V | Max.118mA | (€ | 0.30kg | R-Red A-Amber |
| MFL100 | AC110V-220V | Max.90mA | - <u>K</u> – | 0.52kg | G-Green B-Blue |

W UL Listed: DC12V-24V, KC compliant: DC12V, Buzzer type only

MFL125 Ø125mm Multiple Function LED Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------|-------------|-----------|--------------|--------|--|
| MEL 10E | DC12V-24V | Max.118mA | CE | 0.52kg | R-Red A-Amber |
| MFL125 | AC110V-220V | Max.90mA | (UL) | 0.92kg | ● G-Green● B-Blue |

 [»] DC type model has a free-voltage range of 10V-30V.

Wiring Instructions

- · External Power line
- UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.

 $[\]fint AC$ type model has a free-voltage range of 100V-240V.

[※] UL Listed: DC12V-24V





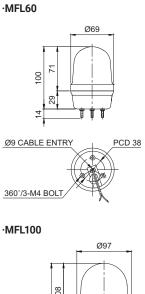


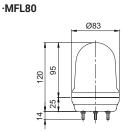




Technical Diagram

Units: mm





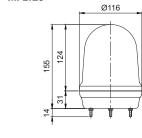


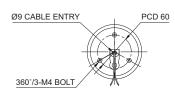
·MFL125

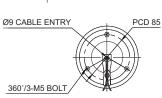


MFL80

108 36









MFL100

Customization

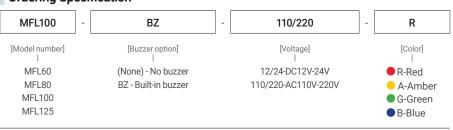
· Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

| MFL60 | | MFL80 | | MFL100 / MFL125 | |
|------------|------------|------------|------------|-----------------|------------|
| | CO | | C | | |
| Wall Mount | Wall Mount |
| Bracket | Bracket | Bracket | Bracket | Bracket | Bracket |
| TWS45 | TWA45 | TWS80 | TWA80 | SWP125 | SWM125 |

· Wall-mounted type/Pole-mounted type: For detailed mounting information, please refer to the Q Series in this catalog.

Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.





MFL125

SOL Series

SOL solar light model does not require external Power supply or wiring!



PRODUCT SPECIFICATION

S80SOL I S100SOL S125SOL Materials Lens-PC, Body-ABS
Reflector-Heat resistant ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP54

Flashing rate 60-80/min

- Solar rechargeable LED flashing signal light that does not require an external Power supply or wiring
- Built-in Darkness Detection System that automatically begins to operate when darkness is detected
- Fully enclosed structure that can withstand storm and severe dust environments(IP54)
- Prevents discharge using a built-in Power switch

S80SOL Ø80mm Solar Rechargeable LED Flashing Signal Light

| Model number | Battery Voltage | Battery Capacity | Continuous operating time with no charge | Certificates | Weight | Color |
|-----------------|--------------------|---------------------|--|--------------|--------|---|
| S80SOL | 2.4V | 0.700Ah | 30hr | C€ | 0.27kg | R-RedA-Amber |

- · Ø80mm Compact model
- · A single charge (8 hours) serves up to 30 hours of continuous operation

\$100SOL Ø100mm Solar Rechargeable LED Flashing Signal Light

| Model number | Battery Voltage | Battery Capacity | Continuous operating time with no charge | Certificates | Weight | Color |
|-----------------|--------------------|---------------------|--|--------------|--------|---------------|
| S100S0L | 2.4V | 0.700Ah | 40hr | CE | 0.41kg | R-Red A-Amber |

- \cdot Ø100mm model for general purpose
- · 40 hours operation continuous by 1 time recharge(8 hours)

S125SOL Ø125mm Solar Rechargeable LED Flashing Signal Light

| Model number | Battery Voltage | Battery Capacity | Continuous operating time with no charge | Certificates | Weight | Color |
|-----------------|--------------------|---------------------|--|--------------|--------|---|
| S125S0L | 2.4V | 0.700Ah | 50hr | C€ | 0.51kg | R-RedA-Amber |

- · Ø125mm standard item
- · 50 hours of continuous operation from 1 time recharge(8 hours)

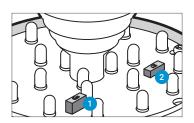
Features High Energy Efficiency and Longevity

SOL Solar light models can be used in environmental conditions where Power supply is limited or wiring is difficult.

Features High Energy Efficiency and Longevity

Qlight's solar rechargeable signal lights have a special design that mounts the solar panels inside a structure that minimizes adverse effects such a dust and moisture. This improves the efficiency and extends the lifetime of the product.





1 Sun Switch

Automatically turns on the light when darkness is detected. Factory default is set to OFF.

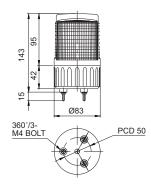
2 Power Switch

ON/OFF Power switch that prevents discharge prior to use. Factory default is set to OFF.

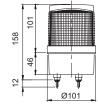
Technical Diagram

Units: mm

·S80S0L

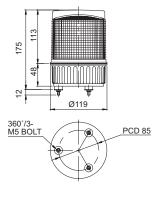


·S100SOL





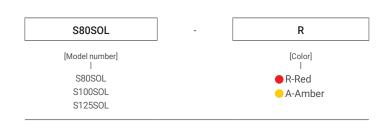
·S125S0L



Customization

- · Magnetic mounting bracket
- · Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount







S100S0L



95

SMCL Series

Signal lights that produces two or three multicolored LED signals







SMCL100



SMCL125

PRODUCT SPECIFICATION

SMCL80 | SMCL100 SMCL125 Materials Lens-ABS(SMCL80), PC(SMCL100, 125) Body-ABS, Reflector-Heat resistant ABS Ambient operating temperature -30°C to +50°C Volume Max.90dB at 1m

Protection rating IP44
Flashing rate 60-80/min
Compliant with RoHS directive

- Ideal for locations where space requirements need one warning light to convey multiple color signals
- LED light distribution system with multi-tiered reflector provides uniformed light signals throughout the entire lens
- The subdued light provides a comfortable and stable viewing condition for operation in close proximity
- Can select between steady/ flashing mode

SMCL80 Ø80mm Multi-Color LED Steady/ Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|---------|
| | DC12V-24V | Max.260mA | | 0.18kg | _ R-Red |
| SMCL80 | AC110V | 110mA | C€ | 0.28kg | A-Amber |
| | AC220V | 60mA | | 0.28kg | G-Green |

SMCL100 Ø100mm Multi-Color LED Steady/ Flashing Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------|
| | DC12V-24V | Max.470mA | | 0.23kg | _ R-Red |
| SMCL100 | AC110V | 140mA | (€ | 0.32kg | A-Amber |
| - | AC220V | 70mA | - | 0.32kg | • G-Green |

SMCL125 Ø125mm Multi-Color LED Steady/ Flashing LED Signal Light

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|-----------|-----------|--------------|--------|-----------|
| | DC12V-24V | Max.510mA | | 0.27kg | _ R-Red |
| SMCL125 | AC110V | 150mA | C€ | 0.36kg | A-Amber |
| | AC220V | 80mA | | 0.36kg | • G-Green |

Wiring Instructions

- · SMCL type can be wired with external contacts and transistor
- · Wiring to transistor, use the NPN transis-tor. Please wire properly based on wiring instructions
- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.



360°/3-M4 BOLT



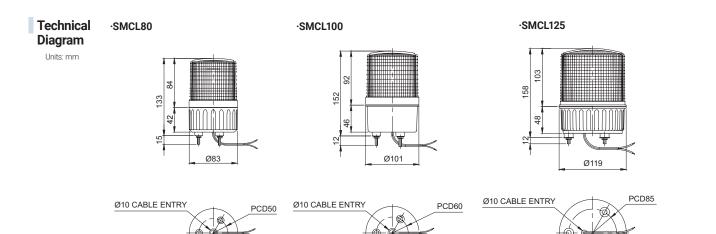






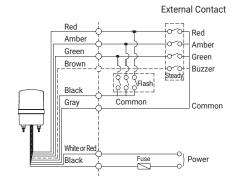


360°/3-M5 BOLT

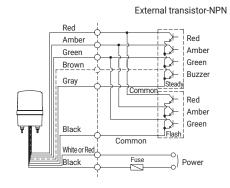


Wiring Instructions

·SMCL80 / SMCL100 / SMCL125-DC/AC



360°/3-M4 BOLT



Customization

· Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount







QMCL Series

Multi-Color Warning Light with Seven Color Options



QMCL60

SPECIFICATION QMCL60 | QMCL80 QMCL100 | QMCL125

PRODUCT

Materials Lens-PC, Body-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.80dB at 1m

Protection rating IP65

Compliant with RoHS directive

- Helps reduce the costs of installation by reducing the space needed to emit seven color signals in a single warning light
- Milky translucent color when off, the soft LED illuminates designated color when on
- Can select between standard and built-in buzzer type depending on installation
- M12 connector type is optionally available (Female M12 connector is not provided)



QMCL100

QMCL60 Ø60mm Multiple Color LED Steady Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|---------|
| 0140160 | DC12V | 170mA | C€ | 0.12kg | 70-1 |
| QMCL60 - | DC24V | 70mA | (UL) | 0.12kg | 7 Color |

QMCL80 Ø80mm Multiple Color LED Steady Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|---------|
| 0140100 | DC12V | 190mA | C€ | 0.17kg | 70-1 |
| QMCL80 - | DC24V | 135mA | (UL) | 0.17kg | 7 Color |

Light source/buzzer current

| Model number | Voltage | DC12V | DC24V |
|-----------------|----------------------|-------|-------|
| 0140160 | Light source current | 170mA | 70mA |
| QMCL60 | Buzzer current | 45mA | 65mA |
| 0140100 | Light source current | 190mA | 135mA |
| QMCL80 | Buzzer current | 45mA | 65mA |
| 01401100 | Light source current | 225mA | 135mA |
| QMCL100 | Buzzer current | 45mA | 65mA |
| QMCL125 | Light source current | 235mA | 190mA |
| | Buzzer current | 45mA | 65mA |

QMCL100 Ø100mm Multiple Color LED Steady Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|-----------|
| QMCL100 - | DC12V | 225mA | C€ | 0.24kg | 7.0-1 |
| | DC24V | 135mA | (UL) | 0.24kg | - 7 Color |

QMCL125 Ø125mm Multiple Color LED Steady Signal Lights

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|---------|
| QMCL125 — | DC12V | 235mA | C€ | 0.31kg | 70-1 |
| | DC24V | 190mA | (UL) | 0.31kg | 7 Color |

Signal Color Options











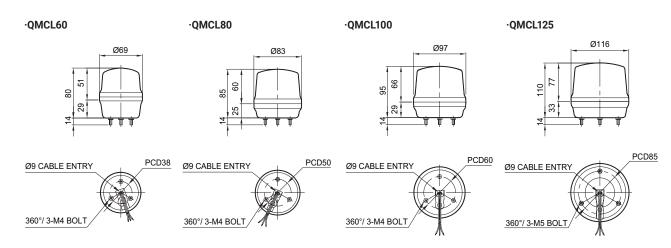






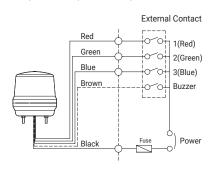
Technical Diagram

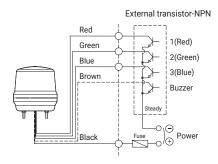
Units: mm

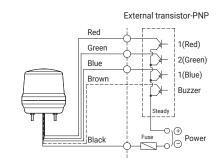


Wiring Instructions

·QMCL80 / QMCL100 / QMCL125-DC/AC







Customization

· Wall mount bracket options: Bracket structure allows for threading through the bracket hole or into the wall mount

| QMCL60 | | QM0 | CL80 | QMCL100 / QMCL125 | | |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| | 6 | | C | | | |
| Wall Mount Bracket | |
| TWS45 | TWA45 | TWS80 | TWA80 | SWP125 | SWM125 | |

Wiring Configuration for Signal Colort

| No. | Color | Wiring |
|-----|--------|-------------------------|
| 1 | RED | 1(Red) |
| 2 | GREEN | 2(Green) |
| 3 | BLUE | 3(Blue) |
| 4 | AMBER | 1(Red)+2(Green) |
| 5 | CYAN | 2(Green)+3(Blue) |
| 6 | PURPLE | 1(Red)+3(Blue) |
| 7 | WHITE | 1(Red)+2(Green)+3(Blue) |

Ordering Specification

| QMCL80 - | BZ |] - [| 24 |
|----------------|-------------------|-------|-----------|
| [Model number] | [Buzzer option] | | [Voltage] |
| QMCL60 | (None) | | 12-DC12V |
| QMCL80 | - No buzzer | | 24-DC24V |
| QMCL100 | BZ | | |
| QMCL125 | - Built-in buzzer | | |

Wiring Instructions

- · External Power line/External signal line UL1007 AWG22(0.3sq) 400mm
- This product can be wired regardless of polarity.
- Please refer to Wiring Instructions diagram to property configure color options.

SWTC Series

New innovative LED signal light that can be configure with 2-3 colors in 1 signal lamp

PRODUCT

SPECIFICATION

SWTC I SWTCE

environment



SWTC Chromium Plated Body



SWTC / SWTCE Wall Mounting Multiple Color LED Steady/Flashing Signal Lights

- Can select between standard and built-in buzzer type depending on installation

Volume Max.90dB at 1m

Two colors: Red Green

Compliant with RoHS directive

Three colors: Red Amber Green

Protection rating IP55 Lens Colors Arrangement

- Cost effective model which transfers two or three signals with one lamp - Wide angle lens structure provides excellent visibility in all directions - Excellent visibility by adopting direct LED light radiation structure

- Tightly sealed structure allows outdoor installation

Materials Cover-ABS, Body-ABS, Filter Lens-PC Ambient operating temperature -30°C to +50°C



※ CE compliant: DC24V



SWTCE

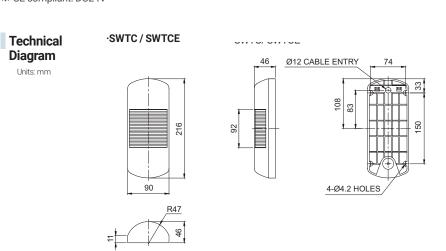
Wiring Instructions

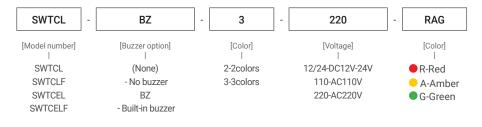
- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- UL1007 AWG22(0.3sq) 400mm

· External signal line

Customization

- · Special color combination
- · 2 buzzer sound types: Both prolonged (beep, beep) and staccato(beep, beep, beep) buzzer output available













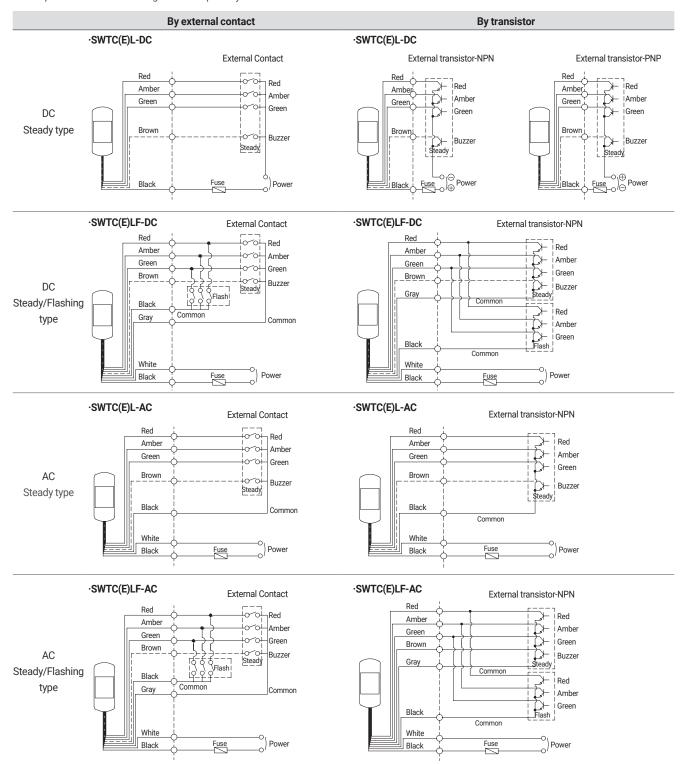






Wiring Instructions

- · SWTC Series can be wired with External Contacts and transistors
- · When using a transistor, please choose between the NPN transistor or PNP transistor which best matches the voltage and product type, then connect them correctly according to the wiring diagram below.
- · This product can be wired regardless of polarity.



- · DC steady type: External Power line/External signal line UL1007 AWG22(0.3sq) 400mm
- · AC steady, DC/AC steady/ flashing type: External Power line UL1015 AWG18(0.75sq) x 2C 400mm External signal line - UL1007 AWG22(0.3sq) 400mm

SR Series





Cautions in use

- · SRL/SRLP model wiring can be done with either External Contacts or External transistors.
- In case of wiring with transistors, please select the proper transistor type: either NPN or PNP based on the source voltage setting.
- The SR/SRP type warning lights use light bulbs which do not allow the use of transistors to register the connection. Please use External Contacts.

PRODUCT SPECIFICATION

SR I SRP SRL I SRLP **Materials** Lens-AS, Body-ABS, Reflector-Heat resistant ABS

Protection rating IP44

Standard color 1st layered - • Red

2nd layered - Red Green

3rd layered - • Red • Yellow • Green

- Ø80mm stacked structure
- Multi signal transmissions capable in 1 signal light

SR / SRP Stackable Warning/Signal Lights

| | | | - | | | | |
|-------------|---------|--|--|--|---|---|---|
| Model Laver | | Voltage Bulb | | | Cortificator | Woight | Color |
| Layer | voitage | Spec | Standard | Parts no | Certificates | weight | COIOI |
| | DC12V | 12V5W | T16x35 15S | 5 | | 0.28kg | |
| 1 | DC24V | 24V5W | T16x35 15S | 6 | | 0.28kg | D Dod |
| ' | AC110V | 12V5W | T16x35 15S | 5 | | 0.49kg | R-Red |
| | AC220V | 12V5W | T16x35 15S | 5 | | 0.49kg | |
| | DC12V | 12V5W | T16x35 15S | 5 | | 0.53kg | |
| 0 | DC24V | 24V5W | T16x35 15S | 6 | | 0.53kg | R-Red |
| 2 | AC110V | 12V5W | T16x35 15S | 5 | - | 0.76kg | G-Green |
| | AC220V | 12V5W | T16x35 15S | 5 | | 0.76kg | |
| | DC12V | 12V5W | T16x35 15S | 5 | | 0.71kg | |
| 0 | DC24V | 24V5W | T16x35 15S | 6 | | 0.71kg | R-Red |
| 3 | AC110V | 12V5W | T16x35 15S | 5 | | 1.04kg | A-AmberG-Green |
| | AC220V | 12V5W | T16x35 15S | 5 | | 1.04kg | |
| | 1 2 3 | 1 DC12V AC24V AC110V AC220V DC24V AC110V AC220V DC24V AC110V AC220V DC12V DC12V DC12V AC110V | DC12V 12V5W DC24V 24V5W AC110V 12V5W AC220V 12V5W DC12V 12V5W DC12V 12V5W AC110V 12V5W AC110V 12V5W AC220V 12V5W AC220V 12V5W DC12V 12V5W DC12V 12V5W AC220V 12V5W AC110V 12V5W DC12V 12V5W AC110V 12V5W | Layer Voltage Spec Standard DC12V 12V5W T16x35 15S DC24V 24V5W T16x35 15S AC110V 12V5W T16x35 15S AC220V 12V5W T16x35 15S DC12V 12V5W T16x35 15S AC110V 12V5W T16x35 15S AC110V 12V5W T16x35 15S AC220V 12V5W T16x35 15S DC12V 12V5W T16x35 15S DC24V 24V5W T16x35 15S AC110V 12V5W T16x35 15S AC110V 12V5W T16x35 15S | Layer Voltage Spec Standard Parts no 1 DC12V 12V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 6 AC110V 12V5W T16x35 15S 5 AC220V 12V5W T16x35 15S 5 DC12V 12V5W T16x35 15S 5 AC110V 12V5W T16x35 15S 5 AC220V 12V5W T16x35 15S 5 AC220V 12V5W T16x35 15S 5 DC12V 12V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 5 AC110V 12V5W T16x35 15S 5 | Layer Voltage Spec Standard Parts no 1 DC12V 12V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 5 AC210V 12V5W T16x35 15S 5 AC220V 12V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 5 AC110V 12V5W T16x35 15S 5 AC220V 12V5W T16x35 15S 5 AC220V 12V5W T16x35 15S 5 DC24V 24V5W T16x35 15S 5 AC110V 12V5W T16x35 15S 5 | Note Spec Standard Parts no |

- · Adopts a special Power transmission system that reduces noise and wear
- \cdot 2nd & 3rd stacked lens colors can be changeable except for the top layer lens
- · Revolving speed: 120-140RPM
- · Ambient operation temperature: -20°C to +50°C

Light source current(based on 1 layer)

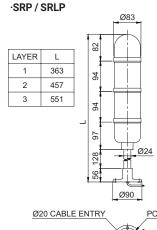
| Voltage | DC12V | DC24V | AC110V | AC220V |
|-------------------------------|-------|-------|--------|--------|
| Light source current(1 layer) | 485mA | 350mA | 100mA | 50mA |

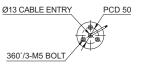
162

256

350

Technical Diagram Units: mm Units: mm LAYER 1 2 3

















SRL / SRLP Stackable Warning/Signal Lights

| Model number | Layer | Voltage | Certificates | Weight | Color |
|--------------|-------|-----------|--------------|--------|---------------|
| | | DC12V-24V | | 0.23kg | |
| | 1 | AC110V | _ | 0.45kg | R-Red |
| _ | • | AC220V | _ | 0.45kg | _ |
| | 2 | DC12V-24V | - | 0.37kg | |
| SRL SRLP | | AC110V | - | 0.70kg | R-Red G-Green |
| SNLF _ | | AC220V | _ | 0.70kg | - G-Green |
| | 3 | DC12V-24V | _ | 0.53kg | _ R-Red |
| | | AC110V | _ | 0.89kg | A-Amber |
| | | AC220V | - | 0.89kg | G-Green |

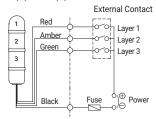
- · Qlight's exclusive LED light distribution system with multi-tiered reflector spreads light evenly throughout the surface of the 94mm height special diffusing lens
- · Fixed user selected color arrangement
- · Flashing rate: 60-80 flashes/min(Built-in switch for selection between steady/flashing mode)
- · Ambient operating temperature: -30°C to +50°C
- · Compliant with RoHS directive

Light source current(based on 1 layer)

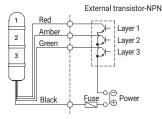
| Voltage | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.125mA | 65mA | 35mA |

Technical Diagram

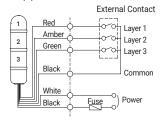
·SR(P) / SRL(P)-DC

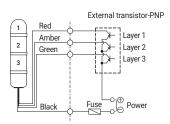


·SR(P) / SRL(P)-DC



·SR(P) / SRL(P)-AC







SRL

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · SR, SRP: Black output line is negative(-)

Ordering **Specification**

| SRL | - 3 | - 220 | - | RAG |
|---|--|---|---|---|
| [Model number] SR SRP SRL SRLP | [Layer] 1-1Layer 2-2Layers 3-3Layers | [Voltage] 12-DC12V 24-DC24V 12/24-DC12V-24V (SRL, SRLP Only) 110-AC110V 220-AC220V | | [Color] R-Red A-Amber G-Green |

Customization

- · 4 layers available upon request
- · Customized color arrangement available

SJ Series





Cautions in use

- · SJL/ SJLP type can be wired with ex ternal contacts and transistor.
- · Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- · SJ/ SJP used bulb can not be con nected by using transistors. Please use the External Contacts.

PRODUCT SPECIFICATION

SJ I SJL

Materials Lens-AS, Body-ABS, Reflector-Heat resistant ABS Volume Max.90dB at 1m Protection rating IP44

Standard color 1st layered - Red

2nd layered - Red Green

3rd layered - ● Red ● Yellow ● Green

- Beautiful appearance from stacking 95×95mm cubed tower lights
- Multi signal transmission in space of 1 signal light

SJ / SJP Stackable Signal Lights/Warning Lights

| | | | | _ | | | | |
|---------------------|-------|---------|-------|--------------|----------|-------|--------|----------------------|
| Model Lover Voltoge | | Bulb | | Certificates | Weight | Color | | |
| number | Layer | Voltage | Spec | Standard | Parts no | | weight | Color |
| | | DC12V | 12V5W | T16x35 15S | 5 | | 0.65kg | _ |
| | 1 | DC24V | 24V5W | T16x35 15S | 6 | | 0.65kg | - R-Red |
| | ı | AC110V | 12V5W | T16x35 15S | 5 | | 0.83kg | R-Reu |
| | | AC220V | 12V5W | T16x35 15S | 5 | - | 0.83kg | |
| | | DC12V | 12V5W | T16x35 15S | 5 | | 0.89kg | |
| SJ | 2 | DC24V | 24V5W | T16x35 15S | 6 | | 0.89kg | R-Red G-Green |
| SJP | 2 | AC110V | 12V5W | T16x35 15S | 5 | 6 | 1.15kg | |
| | | AC220V | 12V5W | T16x35 15S | 5 | | 1.15kg | |
| 3 | | DC12V | 12V5W | T16x35 15S | 5 | | 1.18kg | |
| | 2 | DC24V | 24V5W | T16x35 15S | 6 | | 1.18kg | R-Red |
| | 3 | AC110V | 12V5W | T16x35 15S | 5 | | 1.28kg | - A-Amber G-Green |
| | | AC220V | 12V5W | T16x35 15S | 5 | | 1.28kg | |

- · Adopts a special Power transmission system which minimizes noise and wear
- · Available in customized color arrangements
- · Revolving speed: 120-140RPM
- · Ambient operation temperature: -20°C to +50°C
- ※ CE compliant: DC12V, DC24V

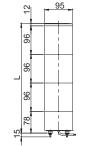
Light source current(based on 1 layer)

·SJ / SJL

| Voltage | DC12V | DC24V | AC110V | AC220V |
|-------------------------------|-------|-------|--------|--------|
| Light source current(1 layer) | 490mA | 350mA | 100mA | 50mA |
| Buzzer current | 15mA | 35mA | 60mA | 30mA |

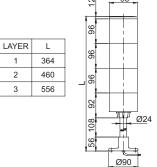
Technical Diagram

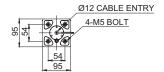
Units: mm



| LAYER | L |
|-------|-----|
| 1 | 186 |
| 2 | 282 |
| 3 | 378 |
| | |

·SJP / SJLP























SJL / SJLP Stackable Warning/ Signal Lights

| Model number | Layer | Voltage | Certificates | Weight | Color |
|--------------|-------|-----------|--------------|--------|-----------------------|
| SJL SJLP | | DC12V-24V | | 0.63kg | R-Red |
| | 1 | AC110V | - | 0.80kg | |
| | | AC220V | - - - | 0.80kg | |
| | | DC12V-24V | | 0.76kg | R-Red G-Green |
| | 2 | AC110V | | 1.03kg | |
| | | AC220V | | 1.03kg | |
| | 3 | DC12V-24V | | 1.01kg | R-Red A-Amber G-Green |
| | | AC110V | | 1.24kg | |
| | | AC220V | | 1.24kg | |

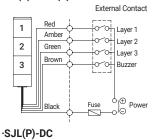
- · Strong LED signal light emitted through the 96mm height diffusion lens
- · Fixed lens colors
- · Flashing rate: 60-80 flashes/min
- · Ambient operation temperature: -30°C to +50°C
- · Compliant with RoHS directive

Light source current(based on 1 layer)

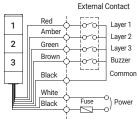
| Voltage | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.185mA | 80mA | 40mA |
| Buzzer current | Max.35mA | 60mA | 30mA |

Wiring Instructions

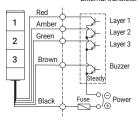
·SJ(P) / SJL(P)-DC

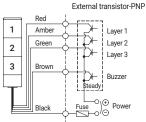


·SJ(P) / SJL(P)-AC



External transistor-NPN





- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · SJ, SJP type: Black output line is negative().

Ordering Specification

| SJL - | BZ | - 3 - | 220 | - RAG |
|----------------|-------------------|-----------|------------------|---------------------------|
| [Model number] | [Buzzer option] | [Layer] | [Voltage] | [Color] • R-Red |
| SJ | (None) | 1-1Layer | 12-DC12V | |
| SJP | - No buzzer | 2-2Layers | 24-DC24V | A-Amber |
| SJL | BZ | 3-3Layers | 12/24-DC12V-24V | G-Green |
| SJLP | - Built-in buzzer | | (SRL, SRLP Only) | |
| | | | 110-AC110V | |
| | | | 220-AC220V | |
| | | | | |

SJL



Customization

- · 4 layers available upon request
- · Lens colors arrangement except for standard
- · 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available
- · Xenon lamp strobe type (model number: SJS / SJSP)

S125TL



PRODUCT SPECIFICATION

S125TL

Materials Lens-AS, Body-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Volume Max.90dB at 1m **Protection rating** IP44

Standard color 1st layered - Red

2nd layered - Red Green

3rd layered - • Red • Yellow • Green

Flashing rate 60-80/min Compliant with RoHS directive

- Ø125mm large-sized stackable signal lights
- Large light emitting area and special light diffusing lens provides excellent long distance visibility
- Saves mounting space by stacking one, two, or three signal lenses
- The reflector with multi-tiered surface diffuses light over a wide area for uniform signal transmission
- The user selected color arrangement will be fixed
- Built-in switch for selection between steady and flashing mode

S125TL Stackable Signal Lights

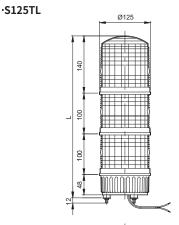
| Model number | Layer | Voltage | Certificates | Weight | Color |
|--------------|-------|-----------|--------------|--------|---------------|
| | 1 | DC12V-24V | | 0.62kg | R-Red |
| | | AC110V | | 0.84kg | |
| | | AC220V | | 0.84kg | |
| | | DC12V-24V | | 0.88kg | |
| S125TL _ | 2 | AC110V | - | 1.11kg | R-Red G-Green |
| | | AC220V | | 1.11kg | |
| | 3 | DC12V-24V | | 1.15kg | R-Red |
| | | AC110V | | 1.38kg | A-Amber |
| | | AC220V | _ | 1.38kg | G-Green |

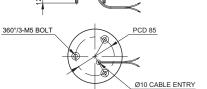
Light source current(based on 1 layer)

| Voltage | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.300mA | 80mA | 40mA |
| Buzzer current | Max.35mA | 60mA | 30mA |

Technical Diagram

Units: mm





Layer

195

295









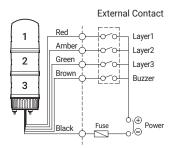




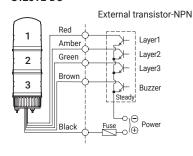


Wiring Instructions

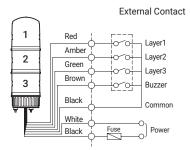
·S125TL-DC

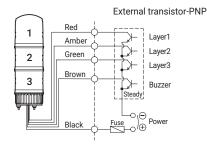


·S125TL-DC



·S125TL-AC





- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.

Customization

- · Customized color arrangements available
- · User selected xenon strobe lamp type available upon request (Model number: S125TS)
- · 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available

Cautions in use

- \cdot S125TL type can be wired with External Contacts and transistors.
- · Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- $\cdot \, \text{S125TS which uses a xenon lamp can not be connected by using transistor Please use an External Contact.}$



QLTF

















QLTF

PRODUCT SPECIFICATION

OLTF

Materials Lens-AS, Body-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.65dB at 1m **Protection rating** IP23

Flashing rate 50-70/min

Compliant with RoHS directive

- Compact size with small LED steady/flash light
- Excellent visibility by adopting special diffused lens
- The smallest model suitable for OA equipment with narrow mounting space, small sized machines, and simple automatic equipment produced in mass production

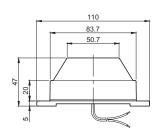
QLTF LED flash indicator

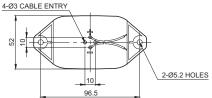
·QLTF

| Model number | Voltage | Current | Certificates | Weight | Color |
|-----------------|-----------|-----------|--------------|--------|---------|
| OLTE | DC24V | 125mA | (6 | 0.00kg | R-Red |
| QLTF | DC12V-24V | Max.125mA | - (€ | 0.08kg | A-Amber |

Technical Diagram

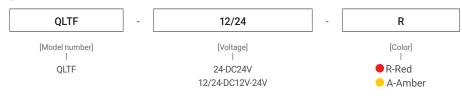
Units: mm





Wiring Instructions

- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · This product can be wired regardless of polarity.



Signal Beacons & Electronic Sounder



Reference for Warning/Signal Lights & Electric Horns













| M | odel number | S60AD | QWTD | QAD80H | QAD80BZ | QAD100H (QAD100H-N) | QAD100BZ |
|-------------------|----------------------|--|---|------------------------|------------------------|--------------------------|-----------------------------|
| | Voltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V-AC220V | DC12V-24V | DC12V, DC24V | DC12V-24V AC110V-220V | DC12V, DC24V AC110V-220V |
| | Outdia | Ø70 | Ø70 | Ø83 | Ø83 | Ø97 | Ø97 |
| Dimension (mm) | Height | 233 | 154-318 | 198 | 198 | 218 | 218 |
| () | Depth | 86 | 76 | 93 | 93 | 109 | 109 |
| | Material | Lens-AS Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Lens-PC Housing-ABS |
| Lamp | Bulb Steady/Flashing | • | | | | | |
| & | LED Steady/Flashing | • | • | • | • | • | • |
| Operation | xenon lamp strobe | • | | | | | |
| | High Buzzer | Max.95dB at 1m | | | Max.105dB at 1m | | Max.105dB at 1m |
| Sound | 5 Signal sounds | | Max.85dB at 1m | | | | |
| ه Volume | 30 signal sounds | | | Max.100dB at 1m | | Max.100dB at 1m | |
| | MP3 | | | | | Max.95dB at 1m | |
| Moi | unting structure | Wall mount | Wall mount | Wall mount | Wall mount | Wall mount | Wall mount |
| Pr | otection rating | IP54 | IP54 | IP65 | IP65 | IP65 | IP65 |
| Мо | unting location | Indoor Use | Indoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use |
| Mo | unting direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| | Certificates | CE | CE | CE | CE, UL | CE | CE, UL |
| С | ustomization | 2 tones buzzer, Strong buzzer type (S60AD-HBZ) | 2 tones buzzer, Color combinations except for standard, Optional 8 harmonies | - | - | - | - |
| | Transistor | - | NPN Type | NPN Type | - | NPN Type | - |
| | Page | P112-113 | P114-115 | P116-118 | P119-120 | P116-118 | P119-120 |
| | | | | | | | |













| Мо | odel number | QAD125H (QAD125H-N) | QAD125BZ | QWCD35 (QWCD35B) | QWCD50 | QWCD35T (QWCD35BT) | QWCD50T |
|-------------------|---------------------|--------------------------|-----------------------------|--|---|--|---|
| | Voltage | DC12V-24V AC110V-220V | DC12V, DC24V AC110V-220V | DC12V-24V AC110V-220V (Buzzer type: DC12V, DC24V, AC110V-220V) | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V (Buzzer type: DC12V, DC24V, AC110V-220V) | DC12V-24V AC110V-220V |
| | Outdia | Ø116 | Ø116 | □136 x 179 | □168 x 222 | □196 x 179 | □229 x 222 |
| Dimension (mm) | Height | 244 | 244 | | | | |
| () | Depth | 132 | 132 | 128 | 163 | 126 | 163 |
| | Material | Lens-PC Housing-ABS | Lens-PC Housing-ABS | Horn-PC Housing-PC+ABS | Horn-PC Housing-PC+ABS | Horn-PC Housing-PC+ABS | Horn-PC Housing-PC+ABS |
| Lamp | LED Steady/Flashing | • | • | | | | |
| Operation | LED Strobe | | | • | • | • | • |
| | High Buzzer | | Max.105dB at 1m | Max.115dB at 1m | | Max.115dB at 1m | |
| Sound | 30 signal sounds | Max.115dB at 1m | | | | | |
| Volume | 31 signal sounds | | | Max.115dB at 1m | Max.123dB at 1m | Max.115dB at 1m | Max.123dB at 1m |
| | MP3 | Max.100dB at 1m | | Max.112dB at 1m | Max.115dB at 1m | Max.112dB at 1m | Max.115dB at 1m |
| Mou | inting structure | Wall mount | Wall mount | Wall mount | Wall mount | Wall mount | Wall mount |
| | Cable entry | - | - | PG13.5 | PG13.5 | PG13.5 | PG13.5 |
| Pro | otection rating | IP65 | IP65 | IP66 | IP66 | IP66 | IP66 |
| Mo | unting location | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use |
| Mou | ınting direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, reverse vertical | Vertical, reverse vertical | Vertical, reverse vertical | Vertical, reverse vertical |
| | Certificates | CE | CE, UL | CE, UL, CCS | CE, UL | CE, UL | CE, UL |
| Ci | ustomization | - | - | External signal line, CAN communication type, Cold resistance type | External signal line, Cold resistance type | External signal line, CAN communication type, Cold resistance type | External signal line, Cold resistance type |
| | Transistor | NPN Type | - | NPN Type | NPN Type | NPN Type | NPN Type |
| | Page | P116-118 | P119-120 | P124-129 | P124-129 | P124-129 | P124-129 |

Reference for Warning/Signal Lights & Electric Horns















| Мо | del number | SJD | STD | S100D | S125D | STNDL (STNDL-N) | STND100 (STND100-N) | STND125 (STND125-N) |
|-----------|--------------------------|--------------------------------|---|--------------------------------|--------------------------------|---|-----------------------------|-----------------------------|
| | Voltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V-220V | DC12V, DC24V AC110V-220V | DC12V, DC24V AC110V-220V |
| Dimension | Outdia | 95 x 95(Cubic) | Ø80(Globe) Ø119(Body) | Ø101(Globe) Ø119(Body) | Ø115(Globe) Ø119(Body) | Ø80(Globe) Ø119(Body) | Ø101(Globe) Ø119(Body) | Ø115(Globe) Ø119(Body) |
| (mm) | Height | 277-469 | 232-512 | 226 | 215 | 267-547 | 261 | 250 |
| | Depth | - | - | - | - | - | - | - |
| | Material | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS | Lens-AS Housing-ABS |
| | Bulb Steady/ Flashing | | | | | | | |
| Lamp | Bulb Revolving | • | | • | • | | • | • |
| & | LED Revolving | | | • | • | | • | • |
| Operation | LED Steady/ Flashing | • | • | • | • | • | • | • |
| | xenon lamp strobe | • | | • | • | | | |
| | 5 Signal sounds | Max.90dB at 1m | Max.105dB at 1m | Max.105dB at 1m | Max.105dB at 1m | | | |
| Sound | Voice | 79-85dB at 1m | 91-100dB at 1m | 91-100dB at 1m | 91-100dB at 1m | | | |
| Volume | 30 signal sounds | | | | | Max.105dB at 1m | Max.105dB at 1m | Max.105dB at 1m |
| | MP3 | | | | | Max.98dB at 1m | Max.98dB at 1m | Max.98dB at 1m |
| Mou | nting structure | Self stand | Self stand | Self stand | Self stand | Self stand | Self stand | Self stand |
| Pro | tection rating | IP23 | IP54 | IP54 | IP54 | IP54 | IP54 | IP54 |
| Mou | inting location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mou | nting direction | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal | Vertical, Horizontal |
| C | Certificates | - | CE | CE, KC | CE | CE | CE | CE, UL |
| Cu | stomization | Lens color expect for standard | Signal light of customized dimension | - | - | Signal light of customized dimension | - | - |
| | Transistor | NPN Type | NPN Type | NPN Type | NPN Type | NPN Type | NPN Type | NPN Type |
| | Page | P121 | P134 | P130-131 | P132-133 | P138 | P142 | P143 |



| Mo | odel number | S125DML |
|------------|---------------------|---------------------------|
| | | |
| | Voltage | DC12V-24V AC110V-220V |
| | | |
| Dimension | Outdia | Ø110(Globe) Ø119(Body) |
| | Height | 215 |
| | Depth | - |
| | Voltage | Lens-AS |
| | | Housing-ABS |
| 1 | LED Steady/Flashing | • |
| Lamp & | LED Strobe | • |
| Operation | LED Simulated | • |
| | Revolving | M 105-ID -+ 1 |
| | 5 Signal sounds | Max.105dB at 1m |
| Sound & | Voice | 91-100dB at 1m |
| Volume | 30 signal sounds | |
| | MP3 | |
| Mou | inting structure | Self stand |
| Pro | tection rating | IP54 |
| Moi | unting location | Indoor Use |
| Mou | ınting direction | Vertical, Horizontal |
| | Certificates | |
| | Transistor | NPN Type |
| | Page | P147-148 |
| | | |

S60AD Series



S60AD Series

PRODUCT SPECIFICATION

S60ADL I S60ADS S60ADB Materials Lens-AS, Body-ABS,

Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Volume Max.95dB at 1m

Protection rating IP54

Revolving speed 60-80/min

- Ø60mm warning light with high volume built-in buzzer in a vertical configuration
- Cone-shaped horn helps diffuse sound to generate clear and distinctive sound signals
- Suitable for applications that require downward audible signals in elevated locations

\$60ADL Signal/Warning Lights with High Volume Built-in Buzzer

| Model number | Voltage | Current | Certificates | Weight | Color |
|--------------|---------|---------|--------------|--------|-----------|
| 0.404.04 | DC12V | 165mA | | 0.17kg | − • R-Red |
| | DC24V | 125mA | | 0.17kg | A-Amber |
| S60ADL | AC110V | 55mA | - (€ - | 0.32kg | G-Green |
| - | AC220V | 35mA | | 0.32kg | ● B-Blue |

[·] LED reflector with multi-tiered design provides an even and clear illumination throughout the entire lens

\$60ADS Signal/Warning Lights with High Volume Built-in Buzzer

| Model number | Voltage | Current | Certificates | Weight | Color | |
|--------------|---------|---------|--------------|--------|-----------|--|
| | DC12V | 550mA | | 0.29kg | − ●R-Red | |
| 00000 | DC24V | 285mA | | 0.29kg | A-Amber | |
| S60ADS - | AC110V | 85mA | - (E - | 0.27kg | • G-Green | |
| _ | AC220V | 75mA | | 0.27kg | ■ B-Blue | |

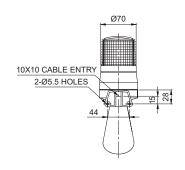
\$60ADB Signal/Warning Lights with High Volume Built-in Buzzer

| Model | Voltage | Cumant | Bulb | | Certificates | Weight | Color | |
|----------------------|---------|--------|----------|------------|--------------|--------|--------|-----------|
| number voltage Curre | Current | Spec | Standard | Parts no | Certificates | weight | Color | |
| | DC12V | 1A | 12V10W | T16x35 15S | 9 | | 0.19kg | - • R-Red |
| CCOADD | DC24V | 555mA | 24V10W | T16x35 15S | 10 | | 0.19kg | A-Amber |
| S60ADB | AC110V | 160mA | 110V10W | T16x35 15S | 12 | (€ - | 0.18kg | • G-Green |
| | AC220V | 115mA | 220V10W | T16x35 15S | 13 | | 0.18kg | B-Blue |

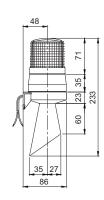
[·] Employs a special filament to prevent damage caused by possible voltage variations

Technical Diagram

Units: mm



·S60ADL / S60ADS / S60ADB



[·] Selectable between steady and flashing mode

[·] Selectable between steady and flashing mode





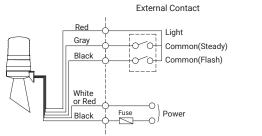


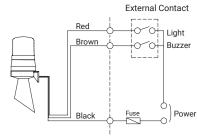


Wiring Instructions

·S60ADB-DC/AC

·S60ADL / S60ADS-DC/AC





- \cdot S60ADB: External Power line UL1015 AWG18(0.75sq) x 2C 400mm External signal line - UL1007 AWG22(0.3sq) 400mm
- · S60ADL / S60ADS: External Power line UL1007 AWG22(0.3sq) 400mm
- \cdot This product can be wired regardless of polarity.

Customization

- \cdot 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available
- · Strong buzzer type 105dB(model number: S60AD-HBZ)

| S60ADL - | 220 | - | R |
|----------------|------------|---|---------------------------|
| [Model number] | [Voltage] | | [Color] |
| S60ADL | 12-DC12V | | R-Red |
| S60ADS | 24-DC24V | | A-Amber |
| S60ADB | 110-AC110V | | G-Green |
| | 220-AC220V | | ■ B-Blue |

QWTD Series

- · WS (5 Warning sounds)
- · WP (5 Special warning sounds)
- · WM (5 Melodies)
- · WA (5 Alarms)



QWTD Series

Ambient operating temperature -30°C to +50°C Volume Max.85dB at 1m **PRODUCT Protection rating IP54** Standard color arrangements

SPECIFICATION 1 Layer: Red QWTDL | QWTDLF

2Layers: Red Green

3Layers: Red Amber Green

4Layers: Red Amber Green Blue

Materials Lens-PC, Cover-ABS, Case-ABS

5Layers: Red Amber Green Blue Clear White

Compliant with RoHS directive

- Wall mount model that minimizes the chance of damage from moving obstacles or personnel
- Superior side visibility with round-shaped lens
- 5 selectable sound pattern combinations (5 warning sounds, 5 special warning sounds, 5 melodies, 5 alarms)
- Selectable between steady/flashing mode with proper wire arrangement
- Available for customized color arrangements

QWTD Ø70mm Wall Mount LED Signal Towers with Built-in Siren

| Model number | Layer | Voltage | Sound pattern and volume | Certificates | Weight | Color |
|---------------------|-------------|-------------|--|--------------|--------|--|
| | | DC12V | | | 0.14kg | |
| | 1 | DC24V | | | 0.14kg | R-Red |
| | | AC110V-220V | | | 0.27kg | |
| | | DC12V | | | 0.18kg | _ |
| | 2 | DC24V | | | 0.18kg | R-Red G-Green |
| | AC110V-220V | | | 0.32kg | | |
| QWTDL Steady | | DC12V | · WS-5 warning sounds · WP-5 special warning sounds | | 0.23kg | -●R-Red |
| QWTDLF | 3 | DC24V | · WM-5 melodies · WA-5 alarms | C€ | 0.23kg | A-Amber |
| Steady/ Flashing | | AC110V-220V | · Built-in volume : Max.85dB at 1m | | 0.36kg | G-Green |
| J. J | | DC12V | | | 0.27kg | R-Red |
| | 4 | DC24V | | | 0.27kg | A-Amber G-Green |
| | | AC110V-220V | | | 0.41kg | ● B-Blue |
| | | DC12V | | | 0.32kg | R-Red - A-Amber G-Green - B-Blue W-White |
| | 5 | DC24V | | | 0.32kg | |
| | | AC110V-220V | | | 0.45kg | |



- * AC type model has a free-voltage range of 100V-240V.
- ※ CE compliant: DC12V, DC24V
- * Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

Light source current(based on 1 layer)

| Voltage | DC12V | DC24V | AC110V-220V |
|-------------------------------|-------|-------|-------------|
| Light source current(1 layer) | 105mA | 80mA | Max.35mA |
| Signal sound current | 200mA | 140mA | Max.60mA |



QWTD Speaker

QWTD embedded speaker design minimizes risk of contamination from debris while providing efficient sound output.













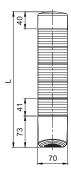
Technical Diagram

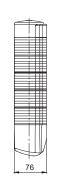
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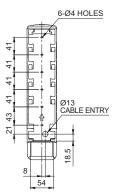


·QWTD

| LAYER | L |
|-------|-----|
| 1 | 154 |
| 2 | 195 |
| 3 | 236 |
| 4 | 277 |
| 5 | 318 |

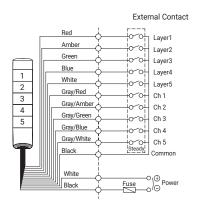




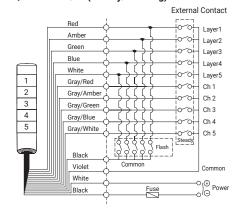


Wiring Instructions

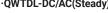
·QWTDL-DC/AC(Steady)

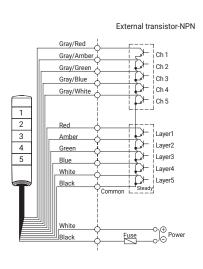


·QWTDLF-DC/AC(Steady/Flashing)

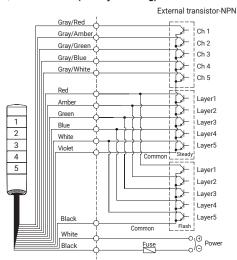


·QWTDL-DC/AC(Steady)





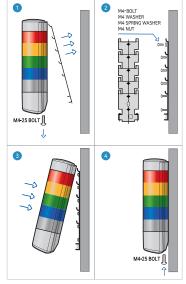
·QWTDLF-DC/AC(Steady/Flashing)



Ordering Specification



How to mount



- 1 Dismantle body and mount by loosening two M4 bolts at the bottom of the lamp
- 2 Put the mounting bracket on the mounting hole
- Hang the lamp on the mount
- 4 Fasten two M4 bolts at the bottom of the lamp after completing installation on the mount

Wiring Instructions

- · Wiring both external Power line and transistor
- · QWTD allows steady/flash mode by wiring
- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.

Customization

- · Special color combinations
- · 2 buzzer sound types: Both prolonged(beep, beep) and staccato(beep, beep, beep) buzzer output available
- Optional 8 harmonies(standard unit has a single harmony)

Wall Mount Dome Type Signal Light with Electrical Horn



- · QAD100H / QAD125H(MP3)
- User defined 30 sounds, 30 built-in sounds.
- · QAD80H / QAD100H-N / QAD125H-N (standard unit)
- 30 built-in sounds

PRODUCT SPECIFICATION

QAD80H | QAD100H | QAD125H QAD100H-N | QAD125H-N Materials Lens-PC, Housing-ABS

Ambient operating temperature -30°C to +60°C

Protection rating IP65

Flashing rate 60-80/min

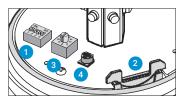
(Built-in Steady-Flash selection switch)

Compliant with RoHS directive

- Combination of warning light and horn allow for both visual and audible signal transmission at once
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones
- Sound tone selector and volume controller in front of the device allows for convenient use(Buzzer type is unsupported)
- SD Card type allows user defined sound tone
- Built-in 30 sound tones, Support Binary and Bit input modes
- Binary input mode selects and plays 30 sounds using Sound selection switch
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play 5 sounds. (MP3 does not support group)
- MP3 support(QAD100H / QAD125H)
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.

Multi-functional Product

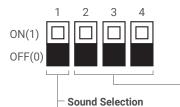
· Standard unit does not support either SD card or Play mode.



- 1 Sound setup switch
- 2 SD Card for MP3 play
- 3 Play mode set up switch
- 4 Volume

Sound Selection Instruction for SDcard Type

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Bit input mode selection from 6 groups

001: WS(5 Warning sounds)

010: WP(5 Special warning sounds 1st group)

011: WM(5 Melodies)

100: WA(5 Alarms)

101: WO(5 Special warning sounds 2nd group)

110: WN(5 Special warning sounds 3rd group)

User-defined sound(MP3)

· User-defined sound(MP3) type



Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity: Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- The maximum speed supported is 10MB/s.

0: Built-in sound 110: WN(5 Sp 1: SD Card(MP3) Standard unit(Built-in sound only) 0:Bit input(Can choose 5 channels per group)

- · 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group,
- 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- · External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- · A multi-functional product that can use an SD card for MP3 playback

1:Binary(Can choose 30 channels)

· Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per modelst

| | QAD100H / QAD125H(MP3) | QAD80H / QAD100H-N QAD125H-N (standard unit) | Column |
|----------------------------|---------------------------|--|---|
| Support SD card(MP3) | 0 | Χ | |
| Support 30 built-in sounds | 0 | 0 | |
| Play mode | 0 | Χ | |
| Bit/Binary input | 0 | 0 | Please refer to sound setup switch manual parts |



















QAD80H Wall Mount Type LED Steady/Flash & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-----------|-----------|--|--------------|--------|--|
| QAD80H | DC12V-24V | Max.990mA | ·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds: Max.100dB (Based on WM-Ch4) | C€ | 0.70kg | R-RedA-AmberG-GreenB-Blue |

[·] Built-in sound

QAD100H / QAD125H Wall Mount Type LED Steady/Flash & Electric Horn

| | • | | ** | • | | |
|--------------|-------------|-----------|--|--------------|---------|---|
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
| OAD100H | DC12V-24V | Max.1A | · Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds: Max.100dB | | 0.001/a | |
| QADTOOH | AC110V-220V | Max.360mA | (Danadan MA Ob 4) | | 0.92kg | R-RedA-Amber |
| 04010511 | DC12V-24V | Max.2.15A | · Bit Input: 5Ch · Binary Input: 30Ch | - (€ | 1 101 | G-Green B-Blue |
| QAD125H | AC110V-220V | Max.360mA | Built-in sounds: Max.115dB (Based on WA-Ch4) • MP3: Max.100dB | | 1.12kg | |

[·] Built-in sound/MP3

- $\mbox{\%}$ DC type model has a free-voltage range of 12V-30V.
- * AC type model has a free-voltage range of 100V-240V.
- % When playing MP3 files, there may be difference of volume depending on user's audio file type.

Ordering Specification

| QAD80H | - | 12/24 | - | R | - | INSD |
|--------------------|---|--|---|--|---|---|
| [Model number] | | [Voltage] | | [Color] | | [Including SD card] |
| QAD80H | | 12/24-DC12V-24V | | R-RedA-Amber | | |
| QAD100H QAD125H | | 12/24-DC12V-24V 110/220-AC110V-220V | | G-GreenB-Blue | | None-Without SD card INSD-Including SD card |

QAD100H-N / QAD125H-N Wall Mount Type LED Steady/Flash & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-------------|-----------|---|--------------|--------|----------------|
| QAD100H-N | DC12V-24V | Max.1.25A | · Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds | | 0.0014 | |
| | AC110V-220V | Max.250mA | : Max.100dB (Based on WS-Ch4) | | 0.92kg | R-Red A-Amber |
| | DC12V-24V | Max.1.15A | · Bit Input: 5Ch · Binary Input: 30Ch · Built-in sounds | - (€ | 1.12kg | G-Green B-Blue |
| QAD125H-N | AC110V-220V | Max.275mA | : Max.115dB (Based on WA-Ch4) | | 1.12Kg | |

[·] Built-in sound

- $\mbox{\%}$ DC type model has a free-voltage range of 12V-30V.
- * AC type model has a free-voltage range of 100V-240V.

Ordering Specification





QAD80H

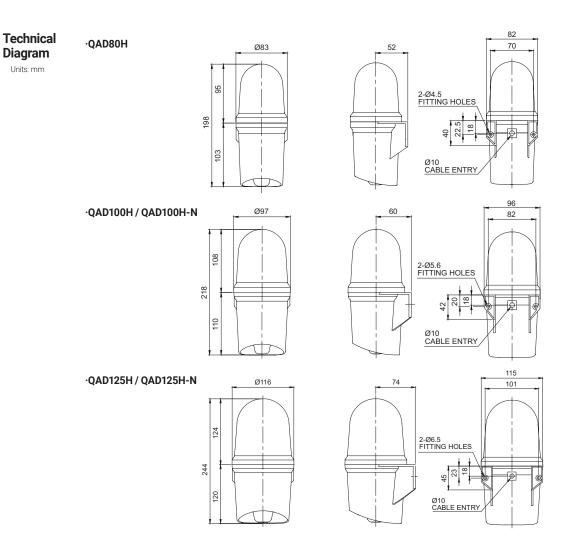


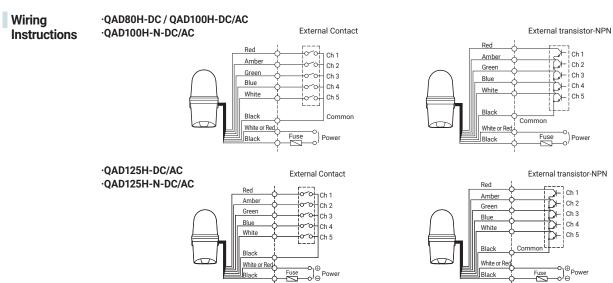
QAD100H-N



Do not supply Power into the signal line. Product may be damaged as a result

Units: mm





- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity(QAD80H / QAD100H only).
- · In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- * Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)











PRODUCT SPECIFICATION

QAD80BZ I QAD100BZ QAD125BZ Materials Lens-PC, Body-ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP65

Flashing rate 60-80/min

(Built-in Steady-Flash selection switch)

Compliant with RoHS directive

- Combination of warning light and horn allow for both visual and audible signal transmission at once
- Siren buzzer sound output of Max.105dB
- Built-in high volume buzzer type



QAD125BZ

QAD80BZ Wall Mount Type LED Steady/Flash & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|---------|---------|-----------------------------|--------------|--------|--|
| 040007 | DC12V | 550mA | ·Buzzer volume | C€ | 0.75kg | R-Red A-Amber |
| QAD80BZ | DC24V | 300mA | : Max.105dB | (UL) | 0.75kg | ● G-Green● B-Blue |

% UL Listed: DC24V

QAD100BZ Wall Mount Type LED Steady/Flash & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color | |
|-----------------|-----------------|---------------|-----------------------------|--------------|--------|--|-------|
| | DC12V | 550mA | | | | 0.98kg | R-Red |
| OAD100BZ | DC24V | 300mA | ·Buzzer volume | (€ | | A-Amber | |
| Q, 15 1005E | AC110V -220V | Max. 120mA | : Max.105dB | (UL) | 1.01kg | ● G-Green● B-Blue | |

^{*} AC type model has a free-voltage range of 100V-240V.

QAD125BZ Wall Mount Type LED Steady/Flash & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-----------------|---------------|-----------------------------|--------------|--------|--|
| | DC12V | 550mA | _ | | 1.22kg | R-Red |
| OAD125BZ | DC24V | 300mA | ·Buzzer volume | CE | | A-Amber |
| | AC110V -220V | Max. 120mA | - : Max.105dB | (UL) | 1.27kg | ● G-Green● B-Blue |

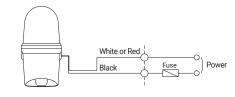
[#] AC type model has a free-voltage range of 100V-240V.

Wiring Instructions



is rich and clear because the RESONANCE CHAMBER amplifies the sound.

·QAD80BZ / QAD100BZ / QAD125BZ-DC/AC



- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.

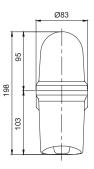
^{} UL Listed: DC24V**

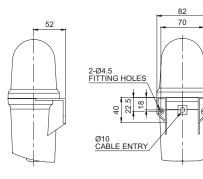
[※] UL Listed: DC24V

Technical Diagram

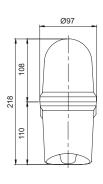
Units: mm

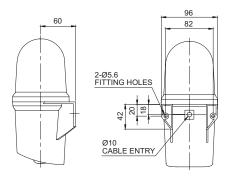
·QAD80BZ



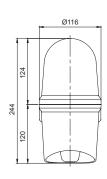


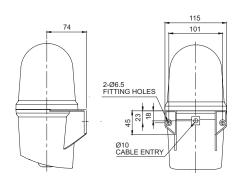
·QAD100BZ

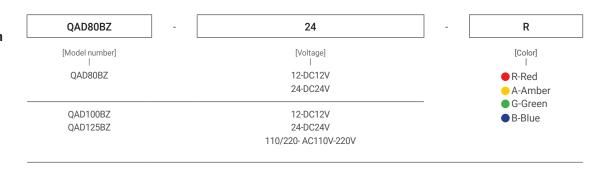




·QAD125BZ







SJD Series













PRODUCT SPECIFICATION

SJD | SJDL | SJDS

Materials Lens-AS, Body-ABS,
Reflector-Heat resistant ABS

Protection rating IP23

Standard color

1st layered - ● Red 2nd layered - ● Red ● Green 3rd layered - ● Red ● Yellow ● Green

- Cube-shaped(95×95mm) stacked tower lights and audible alarm combinations
- Lamp can be selectable among bulb revolving, LED steady/flashing, xenon strobe depending on installation environment
- 5 Warning sounds, 5 Melodies, 5 Alarms, and 5 Customizable sounds available
- WV type: Input audio message needs to be provided to us by the customer prior to manufacturing
- Multiple stacked light segments conserves space

SJD Bulb Revolving Cube Tower Light

| Model | Lauren | Valtana | | Bulb | | Sound pattern | O-wifi4 | 14/a: mls4 | Color |
|--------|--|------------------------------------|------------|------------|----------|---|--------------|------------------------|---------------|
| number | Layer | Voltage | Spec | Standard | Parts no | and volume | Certificates | Weight | |
| | | DC12V | 12V5W | T16x35 15S | 5 | | | | |
| | 1 | DC24V | 24V5W | T16x35 15S | 6 | | | DC-1.41kg AC-1.79kg | |
| | ı | AC110V | 12V5W | T16x35 15S | 5 | | | | R-Red |
| | | AC220V | 12V5W | T16x35 15S | 5 | | | | |
| | DC12V 12V5W T16x35 15S 5 WS-5 warning sounds | ·WS-5 warning sounds : Max.90dB | | | | | | | |
| C ID | 0 | DC24V | 24V5W | T16x35 15S | 6 | ·WM-5 Melodies: Max.90dB | | DC-1.65kg AC-2.04kg | R-Red G-Green |
| SJD | 2 | AC110V | 12V5W | T16x35 15S | 5 | ·WA-5 Alarms: Max.85dB | - | | |
| | | AC220V | 12V5W | T16x35 15S | 5 | ·WV-5 customizable sounds : 79-85dB | | | |
| | | DC12V | 12V5W | T16x35 15S | 5 | .,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | |
| | 2 | DC24V | 24V5W | T16x35 15S | 6 | | | | R-Red |
| | 3 AC110V | 12V5W | T16x35 15S | 5 | AC-2.29 | | AC-2.29kg | A-Amber G-Green | |
| | | AC220V | 12V5W | T16x35 15S | 5 | | | | 2 2 3.00 |

- \cdot Employs a special Power transmission system that minimizes noise and wear
- · Available in customized color arrangements
- · Revolving speed: 120-140RPM
- · Ambient operating temperature: -20°C to +50°C
- * Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch5.
- * In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.
- * Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

Light source/signal sound current(based on 1 layer)

| Voltage | DC12V | DC24V | AC110V | AC220V |
|-------------------------------|-------|-------|--------|--------|
| Light source current(1 layer) | 490mA | 350mA | 100mA | 50mA |
| Signal sound current | 210mA | 130mA | 75mA | 50mA |

SJD Series



SJDL / SJDS

SJDL Stackable Cube Tower Lights

| Model number | Layer | Voltage | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-------|-----------|---|--------------|--------|-----------------|
| | | DC12V-24V | _ | | | R-Red |
| | 1 | AC110V | | | 1.63kg | |
| | | AC220V | ·WS-5 Warning sounds | _ | | |
| | | DC12V-24V | : Max.90dB : WM-5 Melodies | - | 1.80kg | |
| SJDL | 2 | AC110V | : Max.90dB | | | R-Red G-Green |
| | | AC220V | ·WA-5 Alarms: Max.85dB - ·WV-5 Customizable sounds: 79-85dB | | | |
| | | DC12V-24V | | | 2.04kg | R-Red |
| | 3 | AC110V | | | | A-Amber G-Green |
| | | AC220V | | | | |

- · Wide diffusion lens of 96mm height provides a Powerful LED signal light
- \cdot Built-in switches for steady/flashing mode
- · Flashing rate: 60-80 flashes/min
- \cdot Ambient operating temperature: -30°C to +50°C

Light source/signal sound current(based on 1 layer)

| Voltage | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.185mA | 80mA | 40mA |
| Signal sound current | Max.210mA | 75mA | 50mA |

SJDS Stackable Cube Tower Lights

| Model number | Layer | Voltage | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-------|-----------|--|--------------|--------|---------------|
| | | DC12V-24V | | | 1.25kg | _ |
| | 1 | AC110V | | | 1.66kg | R-Red |
| | | AC220V | ·WS-5 Warning sounds : Max.90dB ·WM-5 Melodies | | 1.66kg | |
| | | DC12V-24V | | | 1.45kg | |
| SJDS | 2 | AC110V | : Max.90dB | - | 1.84kg | R-Red G-Green |
| | | AC220V | ·WA-5 Alarms: Max.85dB ·WV-5 Customizable | | 1.84kg | - G-Green |
| | | DC12V-24V | sounds: 79-85dB | | 1.64kg | _ • R-Red |
| | 3 | AC110V | | | 2.03kg | A-Amber |
| | | | | | 2.03kg | G-Green |

- · Diffusion strong light offers long distance transmission of signal light
- · Lamp connector fastening structure allows for convenient lamp replacement
- · Flashing rate: 60-80 flashes/min
- · Ambient operating temperature: -30°C to +50°C
- $\mbox{\%}$ Max. built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch5.
- ※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

Light source/signal sound current(based on 1 layer)

| Voltage | DC12V-24V | AC110V | AC220V |
|-------------------------------|-----------|--------|--------|
| Light source current(1 layer) | Max.1.26A | 210mA | 110mA |
| Signal sound current | Max.210mA | 75mA | 50mA |







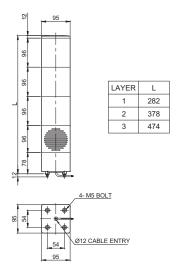






·SJD/SJDL/SJDS

Units: mm



<u>^!\</u>

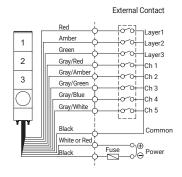
Do not apply a voltage to each signal line. It may cause damage to the product

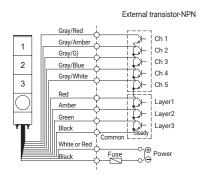
- · SJDL type can be wiring with External Contact and transistor.
- · Wiring to transistor, use the NPN transistor. Please wire properly based on technical diagram.
- · Bulb type SJD and xenon lamp type can not be wiring with transistor.
- · Please use External Contact.

Wiring Instructions

·SJD / SJDL / SJDS-DC/AC

·SJDL-DC/AC



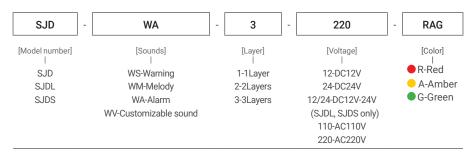


Wiring Instructions

- \cdot External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · SJD model: Black output line is negative(-).

Customization

· Customized color arrangements available



QWCD Series

A new concept of using the horn cover as a light globe



- Combination of built-in 31 sounds and MP3(SD Card)
- · High-volume buzzer sound (buzzer type)

PRODUCT SPECIFICATION

QWCD35(SD) | QWCD50(SD) QWCD35T(SD) | QWCD50T(SD) QWCD35B | QWCD35BT Materials Horn-PC, Housing-PC+ABS
Ambient operating temperature

- -30°C to +50°C(Standard type/buzzer type)
- -50°C to +50°C(Low temperature type only DC)
- -20°C to +50°C(SD Card type)

Protection rating IP66

Flashing rate 60-80 flashes/min

Compliant with RoHS directive

- Easy device customization with built in sound selection function, volume adjustment function and an SD Card slot for user inputted tones
- 31 pre-recorded tones available via binary input.
- The user can select their own tones by inputting the MP3 file directly into the SD Card
- Suitable for use in environments that require a tight seal and superior dust protection rated IP66
- Terminal box is attached separately for convenient wiring(QWCD35T, QWCD35TSD, QWCD50T, QWCD50TSD, QWCD35BT)
- High-volume buzzer output(QWCD35B,QWCD35BT)
- Support for CAN communication type products (Customization: QWCD35, QWCD35T)

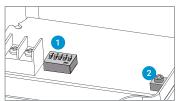
QWCD Series is an integrated horn and light globe.

| QWCD Series | | | | | | |
|-------------|---|--|--|--|--|--|
| QWCD35(T) | Built-in standard sound | | | | | |
| QWCD35(T)SD | MP3(SD Card) | | | | | |
| QWCD50(T) | Built-in standard sound, large output sound | | | | | |
| QWCD50(T)SD | MP3(SD Card), large output sound | | | | | |
| QWCD35B(T) | Built-in high volume buzzer | | | | | |

Qlight's exclusive innovative design the horn cover emits light!

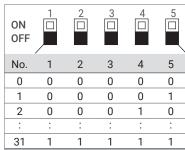
- · By using the horn cover as a light globe, the size of the product has been reduced significantly
- · The color of light can be selected from red, yellow, green, or blue
- · Product has two models: the basic model with 31 built-in sounds, and an external sound (MP3) type model
- · Includes seven different playback functions; one function is the continuous playback function which provides constant message notification
- · Can play special alarm sounds depending on environment, and supports binary input method
- \cdot Can paly up to 31 sounds by saving MP3 files on SDcard
- · By making the horn cover with polycarbonate (PC) material, The product has excellent durability and weather resistance
- · Can be used for heavy-duty, ship, or outdoor use which requires waterproof, dustproof structure (IP66)

Built-in sound type



- 1 Sound selection switch
- Volume

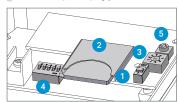
The input method of built-in sound type



Built-in sound type model supports Binary input mode which provides a selection of 31 different input combinations for five kinds of sounds.

You can only select 2 numbers with 1 switch; "0", "1". With 5 switches you can have 31 combinations. Selecting one sound from 5 switches is the binary input method.

SD Card(MP3) type



- 1 Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Sound selection switch
- Volume

The sound selection method of SD Card type

 \cdot Can easily select built-in sound or external sound(MP3) by using the sound selection witch.



- The sound selection
- 0: Select built-in sound
- 1: Select SD Card
- · 31 built-in alarm sounds and special sound
- · Supports SD Cards for external sound (MP3)
- · Binary Input: 31Ch
- · Bit Input: 5Ch(SD Card only)
- · Please refer to [Sound pattern and combination for special alarm product] on this catalogue for detailed settings.













(((后 112dB

(((『J 115dB





QWCD35 LED Strobe Signal Beacon & Electronic Sounder Combinations

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------------|-------------|-----------|-------------------------------------|---------------------------|----------|---|
| QWCD35 Built-in | DC12V-24V | Max.1.35A | ·Bit Input: 5Ch(SD Card) | (6 | 1.10ka | |
| standard sound | AC110V-220V | Max.350mA | ·Binary Input: 31Ch ·Warning sounds | CCS | 1.TUKG | R-RedA-Amber |
| QWCD35SD | DC12V-24V | Max.1.35A | : Max.115dB (Based on Ch31) | SO WANTED THE SOUTH SOUTH | 1 1 El.a | G-Green B-Blue |
| MP3 | AC110V-220V | Max.350mA | ·MP3: Max.112dB | (ŲL) | 1.15kg | - b blue |

* UL Listed: DC12V-24V

QWCD50 LED Strobe Signal Beacon & Electronic Sounder Combinations

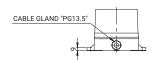
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------------|-------------|-----------|-------------------------------------|--------------|--------|----------------|
| QWCD50 Built-in | DC12V-24V | Max.4.65A | ·Bit Input: 5Ch(SD Card) | | 0.70 | R-Red |
| standard sound | AC110V-220V | Max.900mA | ·Binary Input: 31Ch ·Warning sounds | CE | 2.70kg | A-Amber |
| QWCD50SD | DC12V-24V | Max.4.65A | : Max.123dB (Based on Ch16) | (UL) | 3.00kg | G-Green B-Blue |
| MP3 | AC110V-220V | Max.900mA | | | 3.00kg | B-Blue |

- DC type model has a free-voltage range of 10V-30V.
- * AC type model has a free-voltage range of 100V-240V.
- * UL Listed: DC12V-24V

Technical Diagram

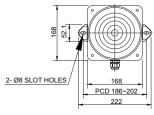
* When playing MP3 files, there may be difference of volume depending on user's audio file type.

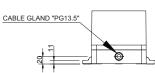
-QWCD35 / QWCD35SD 2- Ø9 SLOT HOLES | 136 | PCD 150~163 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 128 | 1

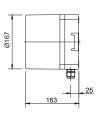




·OWCD50 / OWCD50SD









Ordering Specification

| • | | | | |
|---|--|--|--|---|
| QWCD50 - | 110/220 | - R | - LC | - INSD |
| [Model number] QWCD35 QWCD35SD QWCD50 QWCD50SD | [Voltage] 12/24 -DC12V-24V 110/220 -AC110V-220V | [Color] R-Red A-Amber G-Green B-Blue | [sound selection] None-Standard type LC Type-Uses external contact | [Including SD card] I None-Without SD card INSD-Including SD card |



QWCD35 Series



QWCD50 Series

Customization

- · External threading of signal line for sound selection(Model number: -LC)
- · Support for CAN communication type products(QWCD35 DC only)
- · Cold-resistance type(DC type only)

QWCD Series

Allows for easy wiring with terminal box and 2 cable gland equipped



QWCD35T Series



QWCD50T Series

QWCD35T LED Strobe Signal Beacon & Electronic Sounder Combinations

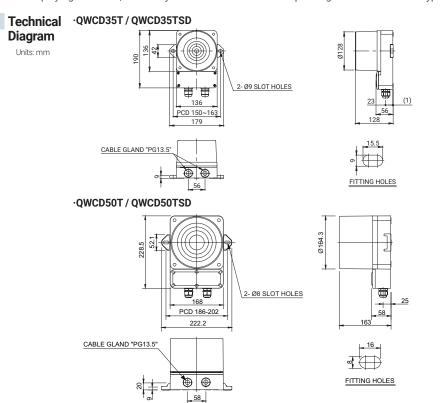
| Mode | l number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------------|------------------------|-------------|---------------|-------------------------------------|--------------|--------|---|
| | CD35T inal box | DC12V-24V | Max. 1.35A | ·Bit Input: 5Ch (SD Card) | | 1 20ka | |
| equip Builtin s | ped type sound type | AC110V-220V | Max. 350mA | ·Binary Input: 31Ch ·Warning sounds | C€ | 1.30kg | R-RedA-Amber |
| | D35TSD inal box | DC12V-24V | Max. 1.35A | : Max.115dB (Based on Ch31) | (UL) | 1.35kg | G-Green B-Blue |
| equip N | ped type /IP3 | AC110V-220V | Max. 350mA | ·MP3: Max.112dB | | 1.55Kg | |

[※] UL Listed: DC12V-24V

QWCD50T LED Strobe Signal Beacon & Electronic Sounder Combinations

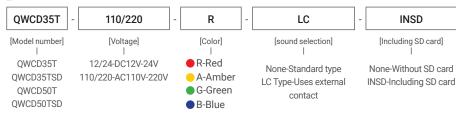
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-------------------------------------|-------------|---------------|--|--------------|--------|---|
| QWCD50T Terminal box | DC12V-24V | Max. 4.65A | ·Bit Input: 5Ch (SD Card) | | 0.101 | |
| equipped type Builtin sound type | AC110V-220V | Max. 900mA | ·Binary Input: 31Ch ·Warning sounds | C€ | 3.10kg | R-RedA-Amber |
| QWCD50TSD Terminal box | DC12V-24V | Max. 4.65A | : Max.123dB (Based on Ch16) | (UL) | 3.40kg | G-Green B-Blue |
| equipped type MP3 | AC110V-220V | Max. 900mA | ·MP3: Max.115dB | | o.40Kg | |

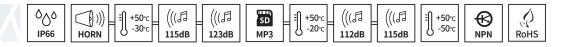
- * DC type model has a free-voltage range of 10V-30V.
- * AC type model has a free-voltage range of 100V-240V.
- W UL Listed: DC12V-24V
- * When playing MP3 files, there may be difference of volume depending on user's audio file type.



Customization

- · External threading of signal line for sound selection(Model number: -LC)
- Support for CAN communication type products(QWCD35T DC only)
- · Cold-resistance type(DC type only)

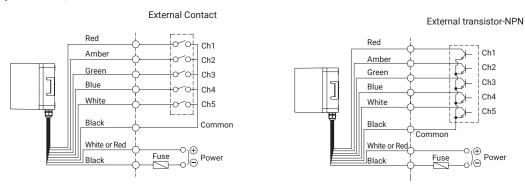




Wiring Instructions

- · Standard specification: Uses internal switches
- · Customization: Uses External Contact

·QWCD35 / QWCD50-DC/AC ·QWCD35T / QWCD50T-DC/AC



- · Wiring to external contact and transistor
- · Wiring to transistor, use the NPN transistor
- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · DC type: Black output line is negative(-)
- \cdot Channel selection : Bit input 5 sound tones for each group, Binary input 31 sound tones output
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)

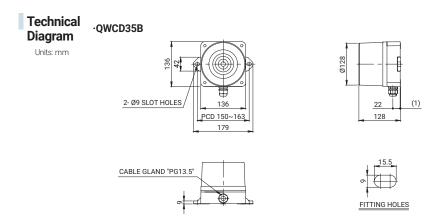
QWCD Series



QWCD35B LED strobe signal beacon with built-in high volume buzzer

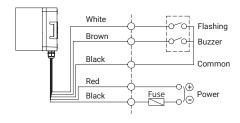
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-------------|-----------|-------------------------------|--------------|--------|--------------------|
| | DC12V | 800mA | | | 0.78Kg | R-Red |
| QWCD35B | DC24V | 500mA | ·Buzzer volume : Max.115dB | (€ (U) | 0.78Kg | A-Amber G-Green |
| | AC110V-220V | Max.250mA | | QL) | 0.89Kg | ● B-Blue |

- $\ensuremath{\,\%\,}$ AC type model has a free-voltage range of 100V-240V.
- * UL Listed: DC12V-24V

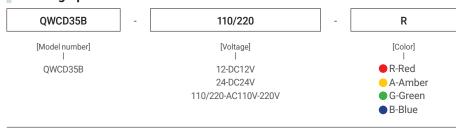


Wiring Instructions

-QWCD35B



 \cdot DC type : Black output line is negative(-)













QWCD35BT LED strobe signal beacon with built-in high volume buzzer

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-------------|-----------|-------------------------------|--------------|--------|--------------------|
| | DC12V | 800mA | | (6 | - | R-Red |
| QWCD35BT | DC24V | 500mA | ·Buzzer volume : Max.115dB | (ir | 0.86Kg | A-Amber G-Green |
| | AC110V-220V | Max.250mA | | (år) | | ● B-Blue |

- * AC type model has a free-voltage range of 100V-240V.
- * UL Listed: DC12V-24V

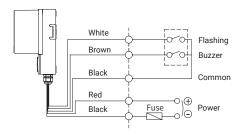
Technical Diagram Units: mm Units: mm CABLE GLAND 'PG13.5' CABLE GLAND 'PG13.5' FITTING HOLES



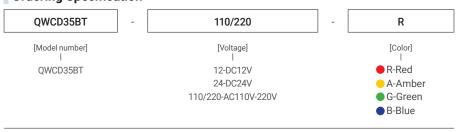
QWCD35BT

Wiring Instructions

·QWCD35BT



· DC type : Black output line is negative(-)



S100D Series

Various built-in sound tones of warning sounds, alarms and melodies



PRODUCT SPECIFICATION

S100DLR | S100DL S100DS | S100D Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Protection rating IP54

Compliant with RoHS directive S100DLR / S100DL

- Ø100mm signal/warning lights and electric horn combination provides both audible and visual signaling capability in one unit
- Can select the proper signaling effect from a variety of light sources and sound tones darkness is detected



S100DL / S100DS

S100D

** Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

S100DLR LED Revolving Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|---------|---------|---|--------------|--------|-------------------------|
| | DC12V | 670mA | ·WS-5 Warning sounds: Max.105dB | | 0.89kg | |
| C100DLD | DC24V | 410mA | ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds | | 0.89kg | R-Red A-Amber |
| S100DLR | AC110V | 145mA | | C€ | 1.27kg | ● G-Green - ● B-Blue |
| | AC220V | 75mA | : 91-100dB | - | 1.27kg | - D-blue |

- · Revolving speed: 120-140RPM
- · Ambient operating temperature: -20°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

\$100DL LED Steady/Flashing Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|---------------|---------------|--|--------------|--------|-----------------|
| | DC12V -24V | Max. 460mA | ·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.105dB | | 0.95kg | R-Red |
| S100DL | AC110V | 130mA | ·WA-5 Alarms: Max.103dB | C€ | 1.16kg | A-Amber G-Green |
| | AC220V | 70mA | : 91-100dB | | 1.16kg | ● B-Blue |

- \cdot Flashing rate: 60-80/min (Built-in switch for selection between steady and flashing mode)
- · Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

\$100D\$ Xenon Lamp Strobe Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|---------------|----------|--|--------------|--------|------------------------------------|
| | DC12V -24V | Max.1.4A | ·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.105dB | | 0.76kg | R-Red |
| S100DS | AC110V | 230mA | ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds : 91-100dB | CE | 1.21kg | - A-Amber - G-Green - B-Blue |
| | AC220V | 155mA | | - | 1.21kg | |

- · Flashing rate: 60-80/min
- · Ambient operating temperature: -30°C to +50°C
- **%** CE compliant: DC24V, AC110V, AC220V















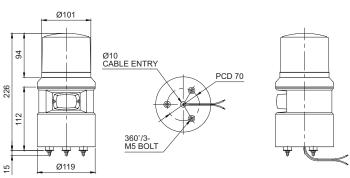
S100D Bulb Revolving Light & Electric Horn

| Model Voltage | | Current | Current Bulb | | Sound pattern | Certificates | Weight | Color | |
|---------------|---------|---------|--------------|------------|---------------|--|--------------|--------|-----------|
| number voltag | voitage | Current | Spec | Standard | Parts no | and volume | Certificates | weight | Coloi |
| | DC12V | 1.2A | 12V10W | T16x35 15S | 9 | — ·WS-5 Warning sounds: Max.105dB | | 0.96kg | - R-Red |
| C100D | DC24V | 830mA | 24V10W | T16x35 15S | 10 | ·WM-5 Melodies: Max.105dB | | 0.96kg | A-Amber |
| S100D | AC110V | 190mA | 12V10W | T16x35 15S | , | ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds: 91-100dB | C€ | 1.38kg | • G-Green |
| - | AC220V | 95mA | 12V10W | T16x35 15S | 9 | | | 1.38kg | B-Blue |

- · Revolving speed: 120-140RPM
- · Ambient operating temperature: -20°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V
- **%** KC compliant: DC24V, AC220V
- * Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.
- * In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Technical Diagram ·S100DLR/S100DL/S100DS/S100D

Units: mm

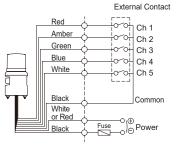


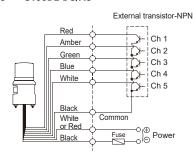
Wiring Instructions

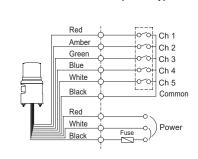
·S100D / S100DL / S100DLR / S100DS-DC/AC

·S100DL-DC/AC

·S100D/S100DLR-AC compatible type







- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sg) 400mm
- · S100D, S100DLR: Black output line is negative()
- · AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

· Optional 8 harmonies(standard unit has a single harmony)

Ordering Specification





Do not apply a voltage to each signal line. It may cause damage to the product

By default the warning light is turned on when the Power is supplied, the voice/alarm output is Powered on by a separate connection. Please wire properly.

S125D Series

Various built-in sound tones of Warning sounds, Alarms and Melodies



S125DLR

PRODUCT SPECIFICATION

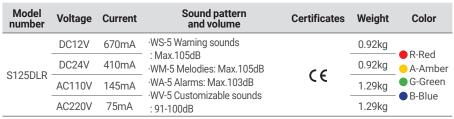
S125DLR | S125DL S125DS | S125D Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Protection rating IP54

Compliant with RoHS directive S125DLR / S125DL

- Ø125mm signal/warning light and electric horn combinations provides both audible and visual signaling capability in one unit
- Can select the proper signaling from a variety of light source and sound tone





- · Revolving speed: 120-140RPM
- · Ambient operating temperature: -20°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

S125DL / S125DS

\$125DL LED Steady/Flashing Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|---------------|---------------|---|--------------|--------|-----------------|
| | DC12V -24V | Max. 520mA | ·WS-5 Warning sounds : Max.105dB | | 0.76kg | R-Red |
| S125DL | AC110V | 135mA | ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds : 91-100dB | C€ | 1.16kg | A-Amber G-Green |
| | AC220V | 70mA | | | 1.16kg | ● B-Blue |

- · Flashing rate: 60-80/min (Built-in switch for selection between steady and flashing mode)
- · Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V



S125D

** Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.

\$125DS Xenon Lamp Strobe Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|---------------|--------------|---|--------------|--------|-----------------|
| | DC12V -24V | Max. 1.4A | ·WS-5 Warning sounds : Max.105dB | | 0.76kg | R-Red |
| S125DS | AC110V | 230mA | -WM-5 Melodies: Max.105dB -WA-5 Alarms: Max.103dB -WV-5 Customizable sounds : 91-100dB | CE | 1.21kg | A-Amber G-Green |
| | AC220V | 155mA | | | 1.21kg | ■ B-Blue |

- · Flashing rate: 60-80 flashes/min
- · Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V















S125D Bulb Revolving Light & Electric Horn

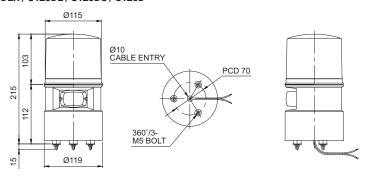
| Model Voltage | | Current | Bulb | | | Sound pattern | Certificates | Weight | Color |
|---------------|---------|---------|--------|------------|----------|--|--------------|--------|-----------|
| number | voitage | Current | Spec | Standard | Parts no | and volume | Certificates | weight | Coloi |
| | DC12V | 1.2A | 12V10W | T16x35 15S | 9 | ·WS-5 Warning sounds: Max.105dB | 1.00kg | 1.00kg | — ● R-Red |
| 010ED | DC24V | 830mA | 24V10W | T16x35 15S | 4.0 | ·WM-5 Melodies: Max.105dB | ((| 1.00kg | A-Amber |
| S125D | AC110V | 190mA | 12V10W | T16x35 15S | 2 | ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds: 91-100dB | 6 | 1.41kg | G-Green |
| - | AC220V | 95mA | 12V10W | T16x35 15S | 9 | | | 1.41kg | B-Blue |

- · Revolving speed: 120-140RPM
- · Ambient operating temperature: -20°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V
- Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.
- * In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

Technical Diagram

·S125DLR / S125DL / S125DS / S125D

Units: mm

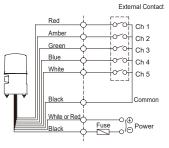


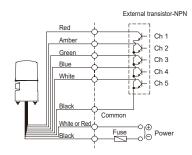
Wiring Instructions

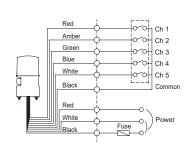
·S125D / S125DL / S125DLR / S125DS-DC/AC

·S125DL-DC/AC

·S125D/S125DLR-AC compatible type







- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) x 2C 400mm
- · S125D, S125DLR: Black output line is Negative(-)
- · AC compatible type shall be connected the black and white wires when using AC110V, and the black and red wires when using AC220V.

Customization

· Optional 8 harmonies(standard unit has a single harmony)

Ordering Specification





Do not apply a voltage to each signal line. It may cause damage to the product

By default the warning light is turned on when the Power is supplied, the voice/alarm output is Powered on by a separate connection. Please wire properly.

STD Series

A variety of pre-recorded sound patterns-warning sounds, melodies, and alarms



STD Series

PRODUCT SPECIFICATION

STDL

Materials Lens-AS, Cover-ABS, Housing-ABS, Reflector-Heat resistant ABS

Ambient operating temperature -30°C to +50°C

Protection rating IP54

Standard color arrangements

1 Layer:
Red

2Layers: Red Green

3Layers: Red Amber Green

4Layers: Red Amber Green Blue

5Layers: Red Amber Green Blue Clear White

Flashing rate 60-80/min Compliant with RoHS directive

- LED steady/flashing mode
- Available for customized color arrangements
- Ø80mm stackable light and electric horn combination provides both audible and visual signaling capability in one unit
- Appropriate sound tones can be chosen depending on the various working environment among various available sound tones
- 5 selectable sound pattern combinations(5 warning sounds, 5 special warning sounds, 5 melodies, 5 alarms)
- WV type: Input audio message needs to be provided to us by the customer prior to manufacturing

STDL LED Steady/Flashing Tower Light & Electric Horn

| Model number | Layer | Voltage | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-------|---------|---|--------------|--------|--|
| | | DC12V | | | 0.80kg | |
| | 1 | DC24V | _ | | 0.80kg | R-Red |
| | ı | AC110V | _ | | 1.39kg | |
| _ | | AC220V | _ | | 1.39kg | |
| | | DC12V | _ | | 0.91kg | |
| | 2 | DC24V | _ | | 0.91kg | R-Red |
| _ | Z | AC110V | | | 1.36kg | • G-Green • R-Red • A-Amber • G-Green |
| | | AC220V | | | 1.36kg | |
| STDL | 3 | DC12V | WS-5 Warning sounds: Max.105dB WM-5 Melodies: Max.103dB WA-5 Alarms: Max.103dB WV-5 Customizable sounds ∶91-100dB | | 1.05kg | - A-Amber |
| Steady | | DC24V | | ((| 1.05kg | |
| STDLF | | AC110V | | C€ | 1.49kg | |
| Steady/Flashing | | AC220V | | | 1.49kg | |
| | | DC12V | _ | | 1.16kg | R-Red A-Amber G-Green B-Blue |
| | 4 | DC24V | | | 1.16kg | |
| | 4 | AC110V | | | 1.61kg | |
| _ | | AC220V | | | 1.61kg | |
| | | DC12V | | | 1.30kg | R-Red |
| | 5 | DC24V | _ | | 1.30kg | A-AmberG-GreenB-Blue |
| | Э | AC110V | _ | | 1.74kg | |
| | | AC220V | | | 1.74kg | ○W-White |

[%] CE compliant: DC24V

Light source/signal sound current(based on 1 layer)

| Voltage | DC12V | DC24V | AC110V | AC220V |
|-------------------------------|-------|-------|--------|--------|
| Light source current(1 layer) | 160mA | 95mA | 70mA | 55mA |
| Signal sound current | 280mA | 210mA | 85mA | 45mA |

^{*} Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

^{*} In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

[%] Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification.







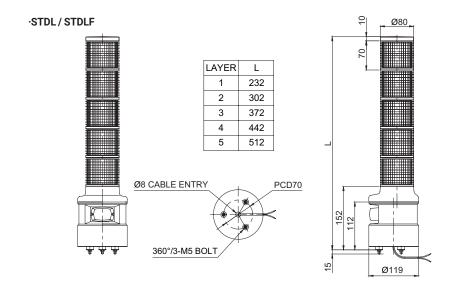






Technical Diagram

Units: mm

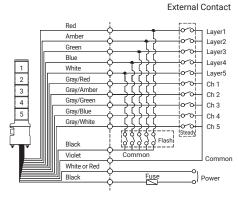


Wiring Instructions

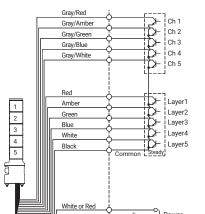
·STDL-DC/AC(Steady)

External Contact Red Layer1 Amber Layer2 Green Layer3 Blue Layer4 White Layer5 2 3 4 Gray/Red 00 Ch 1 Grav/Amber Ch 2 Gray/Green Ch 3 5 Gray/Blue Ch 4 Gray/White Ch 5 Common White or Red) Power Fuse

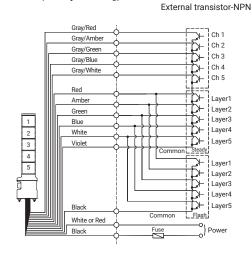
·STDLF-DC/AC(Steady/Flashing)



·STDL-DC/AC(Steady)



·STDLF-DC/AC(Steady/Flashing)



· External Power line UL1015 AWG18(0.75sq) x 2C 400mm

External transistor-NPN

- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.



Do not apply a voltage to each signal line. It may cause damage to the product

- · STDL / STDLF model wiring can be done with either External Contact or External transistors.
- In case of wiring by using transistor, NPN transistor is needed and follow the wiring diagram on the right in order to wire properly.

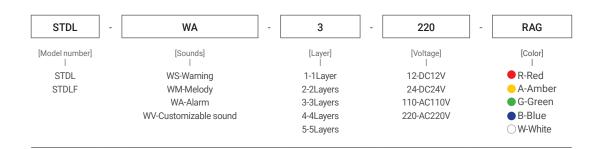
LED Steady/Flashing Tower light and Electric Horn Combinations

STD Series

Customization

| Model number | Lens Diameter | Lens Height | Light Mode | Tower Light Part Model |
|--------------|---------------|-------------|---------------------|---------------------------|
| STD56EL(F) | Ø56mm | 40mm | LED Steady/Flashing | ST56EL |
| STD56L(F) | Ø56mm | 70mm | LED Steady/Flashing | ST56L |
| STDEL(F) | Ø80mm | 40mm | LED Steady/Flashing | ST80EL |

- · Customized light sources and light mode
- · Customized color arrangements available
- · Wall mount brackets
- $\cdot \ \, \text{Optional 8 harmonies} \\ \text{(Model number: STD56EL(F), STD56L(F), STD56B Series, STD80B Series, STD80EL Series)} \\$



STND / STND-N Series

Warning lights with electric horn supports 30 prerecorded, 30 user defined sound tones(MP3)

PRODUCT SPECIFICATION

STNDL | STND100 | STND125 STNDL-N | STND100-N | STND125-N Materials Lens-AS, Housing-ABS, Reflector-Heat resistant ABS

Protection rating IP54

Compliant with RoHS directive

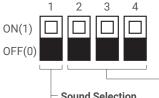
- Combination of warning light and horn allows transmission of both visual and audible signals together
- Appropriate sound tones can be chosen depending on the various working environments among the various type of available sound tones
- Sound tone selector and volume controller in front of the device allows convenient use
- SD Card type allows user defined sound tone
- Built-in 30 sound tones, support binary and bit input modes
- Binary input mode allows the user to select from 30 different sound options with the tone selection switch
- Bit input mode consists of 5 sound types with 6 groups. Choose one of the groups to play 5 sounds from that group. (MP3 is separate from the 6 groups)
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.



STND Series

Sound Selection Instruction for SDcard Type

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Sound Selection

- 0: Built-in sound
- 1: SD Card(MP3)

Bit input mode selection from 6 groups

001: WS(5 Warning sounds)

010: WP(5 Special warning sounds 1st group)

011: WM(5 Melodies)

100: WA(5 Alarms)

101: WO(5 Special warning sounds 2nd group)

110: WN(5 Special warning sounds 3rd group)

Standard unit(Built-in sound only)

0:Bit input(Can choose 5 channels per group)

1:Binary(Can choose 30 channels)

- · 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- · A multi-functional product that can use an SD card for MP3 playback
- · Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per modelst

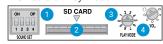
| | STNDL/STND100 STND125(MP3) | STNDL-N/STND100-N STND125-N (standard unit) | Column |
|----------------------------|-------------------------------|---|---|
| Support SD card(MP3) | 0 | X | |
| Support 30 built-in sounds | 0 | 0 | |
| Play mode | 0 | Χ | |
| Bit/Binary input | 0 | 0 | Please refer to sound setup switch manual parts |

· STNDL / STND100,125(MP3)

- User defined 30 sounds
- 30 huilt-in sounds
- · STNDL-N / STND100,125-N (standard unit)
- 30 built-in sounds

Function setting

· Standard unit does not support either SD card or Play mode



- Switch for Sound selection
- SD card slot for MP3
- Switch for play Mode selection
- Switch for Volume adjustment

User-defined sound(MP3)

· User-defined sound(MP3) type



Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- * The maximum speed supported is 10MB/s.

STNDL Series



STNDL Series



STND Series has a front control panel for convenient sound signal control.

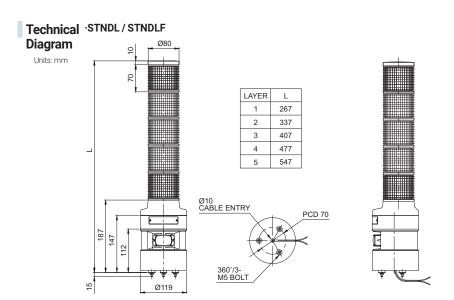
STNDL / STNDLF LED Steady/Flashing Tower Light & Electric Horn

| Model number | Layer | Voltage | Sound pattern and volume | Certificates | Weight | Color |
|---------------------|-------|-------------|--|--------------|--------|--|
| | 1 | DC12V | | | 1.19kg | - ● R-Red - |
| | | DC24V | | | 1.19kg | |
| | | AC110V-220V | | | 1.58kg | |
| | | DC12V | ·WS-Warning sound ·WP-Special warning | | 1.43kg | - R-Red |
| | 2 | DC24V | sound 1st group ·WM-Melody | | 1.43kg | A-Amber G-Green |
| | | AC110V-220V | ·WA-Alarm | | 1.82kg | |
| STNDL Steady | 3 | DC12V | ·WO-Special warning sound 2nd group ·WN-Special warning sound 3rd group | | 1.67kg | R-Red A-Amber G-Green R-Red A-Amber G-G-Green B-B-Blue |
| STNDLF | | DC24V | | C€ | 2.06kg | |
| Steady/ Flashing | | AC110V-220V | ·Bit Input: 5Ch | | 2.06kg | |
| riasiling | | DC12V | ·Binary Input: 30Ch | | 1.91kg | |
| | 4 | DC24V | ·Built-in sounds : Max.105dB | | 1.91kg | |
| | | AC110V-220V | (Based on WS-Ch5) · MP3: Max.98dB | | 2.30kg | |
| | | DC12V | | | 2.15kg | R-Red A-Amber |
| | 5 | DC24V | | | 2.15kg | G-Green B-Blue W-White |
| | | AC110V-220V | | | 2.54kg | |

- · Lens colors are interchangeable
- · Ambient operating temperature: -30°C to +50°C
- ※ CE compliant: DC24V, AC110V, AC220V

Light source/signal sound current(based on 1 layer)

| Voltage | DC12V | DC24V | AC110V-220V | |
|-------------------------------|-------|-------|-------------|--|
| Light source current(1 layer) | 160mA | 95mA | Max.70mA | |
| Signal sound current | 285mA | 185mA | Max.105mA | |











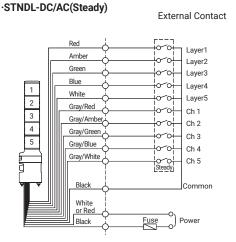




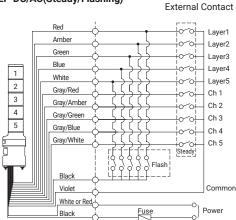




Wiring Instructions

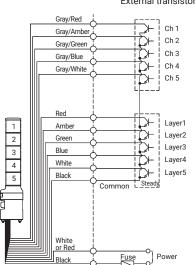


·STNDLF-DC/AC(Steady/Flashing)

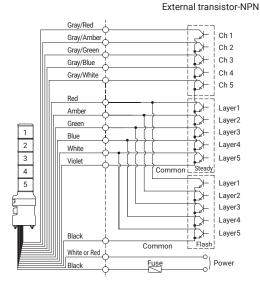


·STNDL-DC/AC(Steady)



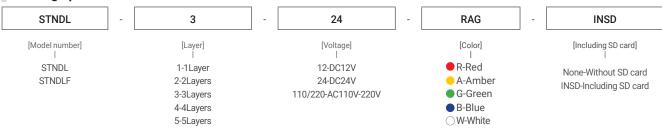


·STNDLF-DC/AC(Steady/Flashing)



- \cdot External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- \cdot This product can be wired regardless of polarity.
- · In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting
 (Wiring instruction is replaced to channel selection switch)

Ordering Specification





Do not apply a voltage to each signal line. It may cause damage to the product

- · NPN transistor(non-External Contact control) can be enabled by using the flashing Common line for the light source.
- · Each unit's light source and signal sound do not operate identically even though multiple units are working at the same time.
- · Do not short-circuit between steady Common and flash Common. Signal light won't work properly.

STNDL-N Series



STNDL Series

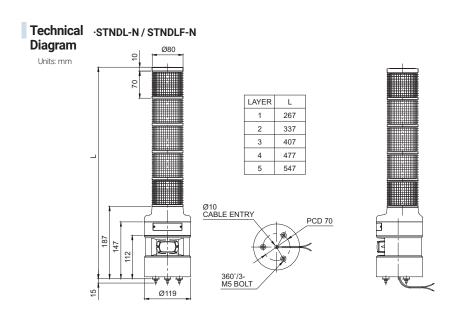
STNDL-N / STNDLF-N LED Steady/Flashing Tower Light & Electric Horn

| Model number | Layer | Voltage | Sound pattern and volume | Certificates | Weight | Color |
|---------------------|-------|-------------|---|--------------|--------|---|
| | | DC12V | | | 1.19kg | R-Red |
| | 1 | DC24V | | | 1.19kg | |
| | | AC110V-220V | | | 1.58kg | |
| | | DC12V | | | 1.43kg | - R-Red |
| | 2 | DC24V | ·WS-Warning sound | | 1.43kg | A-Amber G-Green |
| OT UD | | AC110V-220V | ·WP-Special warning sound 1st group | | 1.82kg | |
| STNDL Steady | 3 | DC12V | ·WM-Melody ·WA-Alarm | | 1.67kg | - • R-Red |
| STNDLF | | DC24V | Bit Input: 5Ch Binary Input: 30Ch Built-in sounds : Max.105dB | C€ | 1.67kg | A-Amber G-Green R-Red A-Amber G-Green B-Blue R-Red A-Amber G-Green B-Blue W-White |
| Steady/ Flashing | | AC110V-220V | | | 2.06kg | |
| riasiling | | DC12V | | | 1.91kg | |
| | 4 | DC24V | (Based on WS-Ch5) | | 1.91kg | |
| - | | AC110V-220V | | | 2.30kg | |
| | | DC12V | | | 2.15kg | |
| | 5 | DC24V | | | 2.15kg | |
| | | AC110V-220V | | | 2.54kg | |

- · Lens colors are interchangeable
- · Ambient operating temperature: -30°C to +50°C
- % CE compliant: DC24V, AC110V, AC220V

Light source/signal sound current(based on 1 layer)

| Voltage | DC12V | DC24V | AC110V-220V |
|-------------------------------|-------|-------|-------------|
| Light source current(1 layer) | 160mA | 95mA | Max.70mA |
| Signal sound current | 285mA | 185mA | Max.105mA |











External transistor-NPN

Ch 1

Ch 2

Ch 3

Ch 4

Ch 5

Layer1

Layer2

Layer3

Layer4

Layer5

Layer3 Layer4 Layer5

Power

Flash

Common

Common

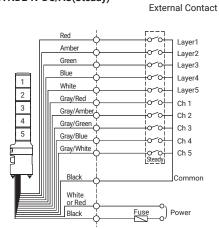
Fuse





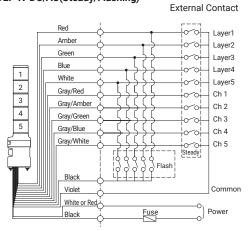
Wiring Instructions





·STNDL-N-DC/AC(Steady)

·STNDLF-N-DC/AC(Steady/Flashing)



·STNDLF-N-DC/AC(Steady/Flashing)

Gray/Amber

Gray/Green

Gray/Blue

Gray/White

Red

Blue

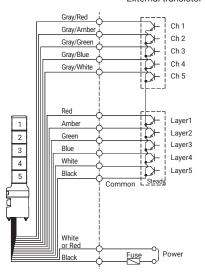
White

White or Red

2

Amber

External transistor-NPN



- \cdot External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.
- · In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.

Ordering pecification





Do not apply a voltage to each signal line. It may cause damage to the product

- · NPN transistor(non-External Contact control) can be enabled by using the flashing Common line for the light source.
- · Each unit's light source and signal sound do not operate identically even though multiple units are working at the same time.
- · Do not short-circuit between steady Common and flash Common. Signal light won't work properly.

STND Series

- 6 Bit input, 5 sound tones for each group
- Binary input 30 sound tones output
- · SD Card(MP3) support



STND100LR



STND100L



STND100R

STND100LR LED Revolving Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|----------------------|---|--------------------------------------|--------------|---------|--|
| | DC12V | 650mA | ·Bit Input: 5Ch | | 1.40kg | R-Red |
| STND100LR | TND100LR DC24V 450mA | ·Binary Input: 30Ch ·Built-in sounds: Max.105dB | $C \in$ | 1.40kg | A-Amber | |
| | AC110V -220V | Max. 180mA | (Based on WS-Ch5) · MP3: Max.98dB | | 1.62kg | G-GreenB-Blue |

- $\cdot \ \text{Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector}$
- · Ambient operating temperature: -20°C to +50°C / Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND100L LED Steady/Flashing Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-----------------|---------------|---|--------------|--------|------------------------------|
| CTND1001 | DC12V -24V | Max. 485mA | ·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds: Max.105dB | CE | 1.37kg | R-Red A-Amber G-Green B-Blue |
| STND100L | AC110V -220V | Max. 190mA | (Based on WS-Ch5) · MP3: Max.98dB | (6 | 1.78kg | |

- · Excellent visibility that employs a special scattering lens
- · Ambient operating temperature: -30°C to +50°C
- · Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V

STND100R Bulb Revolving Light & Electric Horn

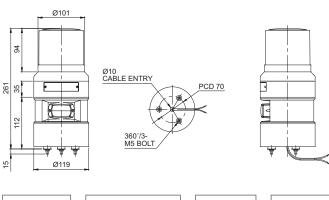
| Madal | | | | Bulb | | Caund nattorn | | | |
|-----------------|-----------------|---------------|--------|---------------|----------|--|--------------|--------|---|
| Model number | Voltage | Current | Spec | Standard | Parts no | Sound pattern and volume | Certificates | Weight | Color |
| | DC12V | 1.2A | 12V10W | | 9 | ·Bit Input: 5Ch ·Binary Input: 30Ch | | 1.57kg | R-Red |
| STND 100R | DC24V | 865mA | 24V10W | T16x35 15S | 10 | ·Built-in sounds: Max.105dB | C€ | 1.57kg | A-AmberG-Green |
| | AC110V -220V | Max. 350mA | 24V10W | | 10 | (Based on WS-Ch5) · MP3: Max.98dB | | 1.82kg | B-Blue |

- · Ambient operating temperature: -20°C to +50°C
- · Revolving speed: 120-140RPM
- ※ CE compliant: DC24V
- * When playing MP3 files, there may be difference of volume depending on user's audio file type.

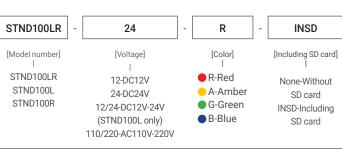
Technical Diagram

Units: mm

$\cdot \mathtt{STND100LR} \, / \, \mathtt{STND100L} \, / \, \mathtt{STND100R}$



| Ordering |
|---------------|
| Specification |





















STND125LR LED Revolving Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-----------------|---------|--|--------------|--------|--|
| STND125LR | DC12V | | ·Bit Input: 5Ch | | 1.35kg | R-Red |
| | DC24V | | ·Binary Input: 30Ch ·Built-in sounds: Max.105dB | $C \in$ | 1.35kg | A-AmberG-GreenB-Blue |
| | AC110V -220V | Max. | (Based on WS-Ch5) · MP3: Max.98dB | | 1.73kg | |

- $\cdot \text{ Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector} \\$
- · Ambient operating temperature: -20°C to +50°C / Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND125L LED Steady/Flashing Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-----------------|---------------|---|--------------|--------|----------------|
| OTND10EI | DC12V -24V | Max. 515mA | ·Bit Input: 5Ch ·Binary Input: 30Ch | C€ | 1.32kg | R-Red A-Amber |
| STND125L | AC110V -220V | Max. 210mA | · ·Built-in sounds: Max.105dB (Based on WS-Ch5) · MP3: Max.98dB | (UL) | 1.65kg | G-Green B-Blue |

- · Excellent visibility that employs a special scattering lens
- · Ambient operating temperature: -30°C to +50°C
- · Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V, UL Listed: DC24V

STND125R Bulb Revolving Light & Electric Horn

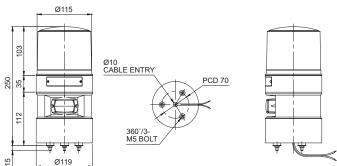
| Madal | | | | Bulb | | C | | | |
|-----------------|-----------------|---------------|--------|---------------|----------|--------------------------------------|--------------|--------|-----------------|
| Model number | Voltage | Current | Spec | Standard | Parts no | Sound pattern and volume | Certificates | Weight | Color |
| | DC12V | 1.2A | 12V10W | | 9 | ·Bit Input: 5Ch ·Binary Input: 30Ch | | 1.27kg | R-Red |
| STND 125R | DC24V | 865mA | 24V10W | T16x35 15S | 10 | ·Built-in sounds: Max.105dB | C€ | 1.27kg | A-Amber G-Green |
| | AC110V -220V | Max. 350mA | 24V10W | | 10 | (Based on WS-Ch5) · MP3: Max.98dB |) | 1.62kg | B-Blue |

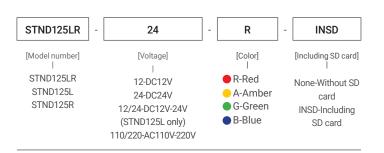
- · Ambient operating temperature: -20°C to +50°C
- · Revolving speed: 120-140RPM
- **%** CE compliant: DC24V
- * When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram

Units: mm









STND125LR



STND125L



STND125R

STND-N Series

- · 6 Bit input, 5 sound tones for each group
- · Binary input 30 sound tones output



STND100LR-N



STND100L-N



STND100LR-N LED Revolving Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-----------------|---------------|---|--------------|--------|------------------------------|
| STND100LR-N | DC12V | 650mA | ·Bit Input: 5Ch | | 1.40kg | R-Red A-Amber G-Green B-Blue |
| | DC24V | 450mA | Binary Input: 30Ch Built-in sounds: Max.105dB (Based on WS-Ch5) | CE | 1.40kg | |
| | AC110V -220V | Max. 180mA | | | 1.62kg | |

- · Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- · Ambient operating temperature: -20°C to +50°C · Revolving speed: 120-140RPM
- **%** CE compliant: DC24V

STND100L-N LED Steady/Flashing Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-----------------|---------------|--|--------------|--------|------------------------------|
| STND100L-N | DC12V -24V | Max. 485mA | ·Bit Input: 5Ch ·Binary Input: 30Ch | C€ | 1.37kg | R-Red A-Amber G-Green B-Blue |
| | AC110V -220V | Max. 190mA | ·Built-in sounds: Max.105dB (Based on WS-Ch5) | | 1.78kg | |

- · Excellent visibility that employs a special scattering lens
- · Ambient operating temperature: -30°C to +50°C
- · Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- X CE compliant: DC24V

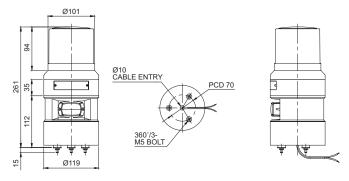
STND100R-N Bulb Revolving Light & Electric Horn

| Model | | | Bulb | | | Sound pattern | | | |
|------------|-----------------|---------------|------------|---------------|-------------|---|---------------------|-------|-----------------|
| number | Voltage Curre | | Spec | Standard | Parts no | and volume | Certificates Weight | | Color |
| | DC12V | 1.2A | 12V 10W | | | ·Bit Input: 5Ch | 1 | .57kg | R-Red |
| STND100R-N | DC24V | 865mA | 24V 10W | T16x35 15S | | ·Binary Input: 30Ch ·Built-in sounds : Max.105dB (Based on WS-Ch5) | CE | .57kg | A-Amber G-Green |
| | AC110V -220V | Max. 355mA | 24V 10W | | 10 | | 1.82kg | | B-Blue |

- · Ambient operating temperature: -20°C to +50°C
- · Revolving speed: 120-140RPM
- **%** CE compliant: DC24V

Technical Diagram Units: mm

·STND100LR-N / STND100L-N / STND100R-N



| STND100LR-N - | 24 | - | R |
|--|---|---|---|
| [Model number] STND100LR-N STND100L-N STND100R-N | [Voltage] 12-DC12V 24-DC24V 12/24-DC12V-24V (STND100L-N only) 110/220-AC110V-220V | | [Color] R-Red A-Amber G-Green B-Blue |

















STND125LR-N LED Revolving Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-----------------|---------------|---|--------------|--------|------------------------------|
| STND125LR-N | DC12V | 650mA | ·Bit Input: 5Ch | _ | 1.35kg | R-Red A-Amber G-Green B-Blue |
| | DC24V | 450mA | ·Binary Input: 30Ch ·Built-in sounds | (€ | 1.35kg | |
| | AC110V -220V | Max. 200mA | : Max.105dB (Based on WS-Ch5) | | 1.73kg | |

- · Excellent omni-directional visibility with LED light collecting system and special multifaceted reflector
- · Ambient operating temperature: -20°C to +50°C · Revolving speed: 120-140RPM
- ※ CE compliant: DC24V

STND125L-N LED Steady/Flashing Light & Electric Horn

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|--------------|-----------------|---------------|--|--------------|--------|------------------------------|
| STND125L-N | DC12V -24V | Max. 515mA | ·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in sounds | (E - | 1.32kg | R-Red A-Amber G-Green B-Blue |
| | AC110V -220V | Max. 210mA | : Max.105dB (Based on WS-Ch5) | | 1.65kg | |

- · Excellent visibility that employs a special scattering lens
- · Ambient operating temperature: -30°C to +50°C · Flashing rate: 60-80/min(Built-in switch for selection between steady and flashing mode)
- ※ CE compliant: DC24V

STND125R-N Bulb Revolving Light & Electric Horn

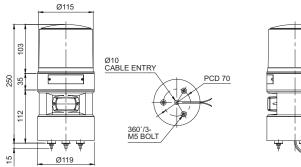
| Model | | | Bulb | | | Sound pattern | | | |
|------------|-----------------|---------------|------------|---------------|----------|--|---------------------|--------|-----------------|
| number | Voltage | Current | Spec | Standard | Parts no | and volume | Certificates Weight | | Color |
| | DC12V | 1.2A | 12V 10W | | | ·Bit Input: 5Ch | | 1.27kg | R-Red |
| STND125R-N | DC24V | 865mA | 24V 10W | T16x35 15S | | ·Binary Input: 30Ch ·Built-in sounds : Max.105dB | C€ | 1.27kg | A-Amber G-Green |
| | AC110V -220V | Max. 350mA | 24V 10W | | 10 | (Based on WS-Ch5) | | 1.62kg | B-Blue |

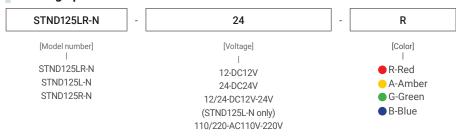
- \cdot Ambient operating temperature: -20°C to +50°C
- · Revolving speed: 120-140RPM
- **%** CE compliant: DC24V

Technical Diagram

Units: mm

·STND125LR-N / STND125L-N / STND125R-N







STND125LR-N



STND125L-N

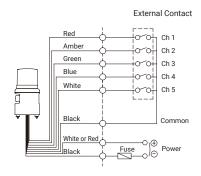


STND125R-N

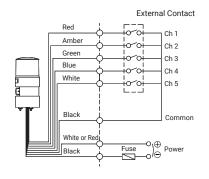
STND Series

Wiring Instructions

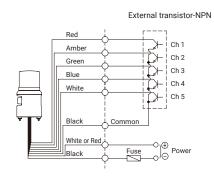
·STND100LR / STND100L / STND100R-DC/AC ·STND100LR-N/STND100L-N/STND100R-N-DC/AC



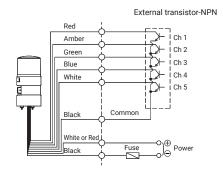
·STND125LR / STND125L / STND125R-DC/AC ·STND125LR-N/STND125L-N/STND125R-N-DC/AC



·STND100DL-DC/AC ·STND100L-N-DC/AC



·STND125DL-DC/AC ·STND125L-N-DC/AC



- $\cdot \ \text{In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.}$
- · STND100R, STND100LR, STND125R, STND125LR: Black output line is negative(-)
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting
 (Wiring instruction is replaced to channel selection switch)



Do not apply a voltage to each signal line. It may cause damage to the product

- · NPN transistor(non-External Contact control) can be enabled by using the flashing Common line for the light source.
- · Each unit's light source and signal sound do not operate identically even though multiple units are working at the same time.
- · Do not short-circuit between steady Common and flash Common. Signal light won't work properly.

Versatile Signal/Warning Lights with Built-in Buzzer

S125DML













Multifunctional LED beacon with built-in signal sound

PRODUCT SPECIFICATION

S125DML

Materials Lens-AS, Housing-ABS

Ambient operating temperature -30°C to +50°C

Volume Max.105dB at 1m

Protection rating IP54

Simulated revolving type(LR) flashing rates 120-140RPM

Flashing type(LF) flashing rates 60-80/min Strobe type(LS) flashing rates 70-80/min

Compliant with RoHS directive

- 125mm outer diameter signal beacon/indicator and electronic horn combined structure to transmit visual and audio signals simultaneously
- Various light sources and tones allow you to select the signal that best suits your working environment
- Models with complex functions of LED steady/flash, strobe and rotation flashing
- Select the desired operation through the switch inside the device
- Easy to maintain and manage by adopting an LED light source that is resistant to shock and vibration and has a long life LED



S125DML

Operation







Repeat operation of LED signal light on/off

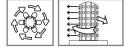






· LED Strobe

Short LED Steady/ Flashing cycle. Creates a xenon flashing effect by providing maximum electric current



· LED Simulated Revolving

LEDs flash steadily around the cylindrical LED filaments which makes a simulated revolving effect

Manual switch to select operation

| | | | • |
|-------------------|--------|---------|---|
| ON=1 ON OFF | 1 0FF: | =0 2 | Operate 4 kinds of function by dip switches |
| No. | 1 | 2 | Operation |
| 0 | 0 | 0 | LED Steady |
| 1 | 0 | 1 | LED flashing |
| 2 | 1 | 0 | LED Strobe |
| 3 | 1 | 1 | LED Simulated revolving flashing |

🖺 🔼 🍪 S125DML Multifunctional LED beacon with built-in signal sound

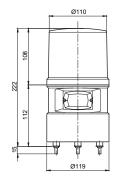
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight | Color |
|-----------------|-----------------|---------------|--|--------------|--------|-------|
| S125DML | DC12 -24V | Max. 450mA | ·WS-5 Warning sounds: Max.105dB ·WM-5 Melodies: Max.105dB | | 0.88Kg | _ |
| | AC110V -220V | Max. 150mA | ·WA-5 Alarms: Max.103dB ·WV-5 Customizable sounds: 91-100dB | - ' | 0.93Kg | |

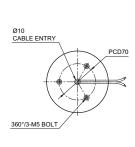
Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch1.

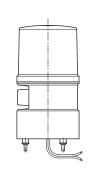
Technical Diagram

·S125DML

Units: mm





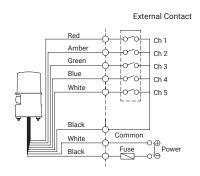


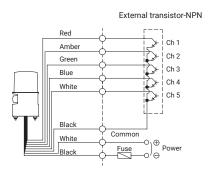
^{*} In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

S125DML

Wiring Instructions

·S125DML-DC/AC





Wiring Instructions

- · S125DML Series comes with prerecorded sounds.
- · For WV(5Customized Sounds)type, Input audio message needs to be provide by the customer prior to manufacturing.
- \cdot S125DML model wiring can be done with either External Contact or External transistors.
- · In case of wiring by using transistor, NPN transistor is needed and follow the wiring diagram on the right in order to wire properly of polarity.



Electronic Sounders



Quick reference of volume

Technical information

Product specifications

References

P. 150

P. 152

P. 154

P. 157

Product Volume Quick Reference Guide

Qlight provides a wide range of audible products between 85dB-130dB. Please take a look at the Product Volume Quick Reference Guide for the sound level of each of our audible products.





| | 130dB | Air Horn(SANA Series) | |
|---|-----------|--|--|
| | 123dB | Motor Siren(SM400), Multifunctional Electric Horn(SMP50) Special Warning Electric Signal Horn(QWH50) LED Strobe Signal Beacon & Electronic Sounder Combinations (QWCD50) Explosion Proof Electric Horn(QN-H) | |
| | | | \$0 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
| | 120dB | Motor Siren(SM200) Heavy-Duty Electric Horn(SEHN50, SEWN50L, SEWN50-2T, SEWN50E) | Rock Concert - 120dB |
| | 115-118dB | Motor Siren(SM40), Heavy Duty Electronic Sounders(SEHN25) General Electric Horns(SEN25), Explosion Proof Electric Horn(QN) Multi-Functional Electric Horn(SMP35, QAP125H) Electronic Sounders with Pre-recorded Special Warning SoundQWH35, QWH35B Explosion proof Electric Horn(SPNA) |) |
| | | | |
| | 113dB | Heavy Duty Electronic Sounders(SEWN30E) Full Duplex Heavy-Duty Electric Horn(SHDN30) | |
| | | | |
| - | 110dB | Motor Siren(SM30) | Vehicle Hom - 100-110dB |
| | | | |
| | 108dB | Electric Horns(SRN) | |
| | | | |
| | 105dB | Electric Horns(SEN15) Wall Mount High Sound Buzzer Horn(QAP80BZ, QAP100BZ, QAP125BZ) | |
| | | _ | |
| | 100dB | Electric Horn(SN, SN-1, QAP80H) Multifunctional Electric Hor(QAP100H) | Plant/Train - 100dB |
| | 95-98dB | Wall Mounted High Buzzer Horn(S60ADH) Multifunctional Panel Type Speaker(QMPS) Lamp Attached Alarm Bell(SAB130, SAB200) Explosion proof Alarm Bell(SBE130, SBE150) | |
| | | · · · · · · · · · · · · · · · · · · · | |
| | 90dB | Panel Type Speaker(SPK) | |
| | 0.540 | Signal phone for CAN communication panel (CPK-CAN) Signal phone for RS485 communication panel (CPK-RS485) | Voca - are Classes - Co. ID |
| | 85dB | Signal phone for multi-channel panel(CPK-I/O) | Vacuum Cleaner - 80dB |

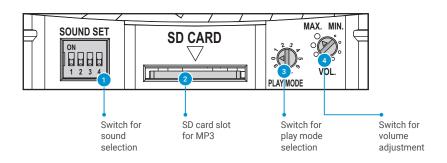
Technical Information for Multifunctional Electric Horns/Speakers

WHAT IS MULTIFUNCTIONAL ELECTRIC HORN /SPEAKER?

- 1. Multifunctional electric horn/speaker is a versatile horn which is able to play built-in 30 sound tones as well as MP3 file from SD card.
- 2. User can designate the sound tone in the SD card through a PC.
- 3. Among multifunctional products, the built-in sound model (-N) does not support SD card nor play mode.



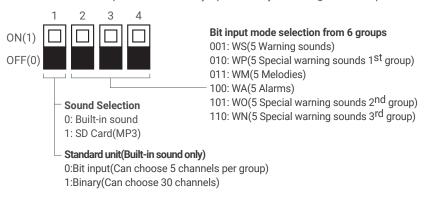
FEATURES



Sound setting switch

Sound Selection Instruction for SDcard Type

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



- \cdot 30 pre-recorded sounds offered (5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- · External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- · A multi-functional product that can use an SD card for MP3 playback
- · Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

2 SD cards

- The SD card is a compact flash memory card for storing MP3 files.
- After saving the MP3 files in the SD card with the specified format, insert the card into the SD card slot and switch the sound
- setting switch to $\mathsf{ON}(1)$ so the sounds can be played from the SD card.
- 3 PLAY MODE setting switch
- Play mode setting switch allows the user to chose the proper channel input method and playback mode. Please refer to the table below for a description of each setting switch features.
- Switch No.0 and No.9. are not used.

| Bit Input Mode | 5 sounds can be played from the selected group. (can choose 1 group among 6 groups) Play message one time and quit.(In case of Consecutive signal or pulse signal) |
|--|--|
| Binary Input Mode | Up to 31 sounds available for each model. Plays sound only once. (consecutive signal only) |
| Bit Input Hold Playback Mode | 5 sounds can be played from the selected group. (can choose 1 group among 6 groups) The sound is repeated if the input signal is maintained.(Consecutive signal only) Sound will be STSpended the STOP signal, otherwise the message is played repeatedly. |
| Binary Input Hold Playback Mode | Up to 31 sounds available for each model The sound is repeated if the input signal is maintained. (consecutive signal only) Sound will be STSpended the STOP signal, otherwise the message is played repeatedly. |
| Bit Input Sound Reduction Mode | 5 sounds can be played from the selected group. (can choose 1 group among 6 groups) Volume reduction signal line is able to decrease the volume by as much as 15dB. (can reduce input volume as well) |
| Binary Input Sound Reduction Mode | Up to 31 sounds available for each model Volume reduction signal line is able to decrease the volume by as much as 15dB. (can reduce input volume as well) |
| Bit Input Sequence Mem- ory Playback Mode | 5 sounds can be played from the selected group. (Can choose 1 group among 6 groups) Playback around 3 seconds for each sound in accordance with the sequence of input. Final input channel is fully played.(Bit input Mode ONLY) |
| Test Mode | In test mode, Ch1 of group is automatically played back repeatedly. Change to other modes in order to quit the test mode. |
| | Binary Input Mode Bit Input Hold Playback Mode Binary Input Hold Playback Mode Bit Input Sound Reduction Mode Binary Input Sound Reduction Mode Bit Input Sound Reduction Mode |



⁻ Volume is adjustable with the sound dial included.

Reference for Electric Horn, Speaker, Motor Siren, Buzzer Horn/Bell















| Мо | del number | SPK | CPK-CAN | CPK-IO | CPK-RS485 | QMPS | SAB130 | SAB200 |
|----------------------------------|------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------|---------------------------|
| | Voltage | DC12V, DC24V AC110V, AC220V | DC12V-24V | DC12V-24V | DC12V-24V | DC12V-24V AC110V-220V | DC24V AC110V, AC220V | DC24V AC110V, AC220V |
| | Outdia | 80 x 80 | 80 x 80 | 80 x 80 | 80 x 80 | 120 x 120 | Ø130(Bell) | Ø200(Bell) |
| Dimensior (mm) | Height | - | - | - | = | - | 238 | 269 |
| (11111) | Depth | 75 | 75 | 75 | 75 | 68 | 107 | 107 |
| | Materials | ABS | ABS | ABS | ABS | ABS | Bell-Steel Housing-ABS | Bell-Steel Housing-ABS |
| | 1 Tone Buzzer | - | - | - | | - | | |
| Sound | 5 Signal Sounds | Max.90dB at 1m | - | - | - | - | | |
| & | Bell | - | - | - | - | - | Max.95dB at 1m | Max.95dB at 1m |
| Volume | 30 Signal Sounds | - | - | - | - | Max.95dB at 1m | - | - |
| | MP3 | - | Max.85dB at 1m | Max.85dB at 1m | Max.85dB at 1m | Max.90dB at 1m | - | - |
| Mou | nting structure | Panel mount | Wall mount | Wall mount |
| (| Caple entry | - | - | - | - | - | Ø20 | Ø20 |
| Pro | tection rating | IP23 | IP65 | IP65 | IP65 | IP54 | IP44 | IP44 |
| Mou | inting location | Indoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mounting direction Certificates | | Horizontal, Reverse vertical | Vertical, Horizontal | Vertical, Horizontal |
| | | CE | CE | CE | CE | CE, UL | CE | CE |
| Cı | stomization | - | - | - | - | - | Cable entry 2EA | Cable entry 2EA |
| | Transistor | NPN type | NPN type | NPN or PNP type | NPN or PNP type | NPN or PNP type | - | |
| | Page | P157 | P158 | P159 | P160 | P162-164 | P161 | P161 |















| Mo | del number | QAP80H | QAP80BZ | QAP100H (QAP100H-N) | QAP100BZ | QAP125H (QAP125H-N) | QAP125BZ | S60ADH |
|----------|------------------|---|---|---|---|---|---|---|
| | Voltage | DC12V-24V | DC12V, DC24V | DC12V-24V AC110V-220V | DC12V, DC24V AC110V-220V | DC12V-24V AC110V-220V | DC12V, DC24V AC110V-220V | DC12V, DC24V AC110V, AC220V |
| | Outdia | Ø83 | Ø83 | Ø97 | Ø97 | Ø116 | Ø116 | Ø75 |
| Dimensio | n Height | 129 | 129 | 137 | 137 | 149 | 149 | 158 |
| (11111) | Depth | | | | | | | 86 |
| | Materials | ABS |
| Sound | 1 Tone Buzzer | - | Max.105dB at 1m | - | Max.105dB at 1m | | Max.105dB at 1m | Max.95dB at 1m |
| & | 30 Signal Sounds | Max.100dB at 1m | - | Max.100dB at 1m | - | Max.115dB at 1m | | |
| Volume | MP3 | - | - | Max.95dB at 1m | - | Max.100dB at 1m | | |
| Mou | inting structure | Wall mount |
| | Caple entry | Ø10 | Ø10 | Ø10 | Ø10 | Ø10 | Ø10 | - |
| Pro | tection rating | IP65 | IP65 | IP65 | IP65 | IP65 | IP65 | IP54 |
| Mo | unting location | Indoor/Outdoor Use | Indoor Use |
| Mou | ınting direction | Vertical, Horizontal, Reverse vertical |
| | Certificates | CE |
| C | ustomization | - | - | - | - | - | - | Strong buzzer 105dB |
| | Transistor | NPN type | - | NPN type | - | NPN type | - | - |
| | Page | P165-168 | P169-170 | P165-168 | P169-170 | P165-168 | P169-170 | P171 |

Reference for Electric Horn, Speaker, Motor Siren, Buzzer Horn/Bell











| М | odel number | SRN | SEN15 | SEN25 | SMP35 | SMP50 | |
|----------------------------|------------------|---|---|---|---|---|--|
| | Voltage | DC12V-24V AC110V, AC220V | DC12V-24V AC110V, AC220V | DC12V, 24V AC110V, AC220V | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V | |
| | Outdia | Ø125 | 130 | 130 | 145 x 177 | 145 x 177 | |
| Dimension (mm) | Height | | | | | | |
| (11111) | Depth | 186 | 200 | 200 | 219 | 219 | |
| | Materials | ABS | ABS | ABS | ABS | ABS | |
| | 5 Signal Sounds | Max.108dB at 1m | Max.105dB at 1m | Max.115dB at 1m | - | - | |
| Sound | Voice | 95-102dB at 1m | 94-101dB at 1m | 102-115dB at 1m | - | - | |
| & | 30 Signal Sounds | - | = | - | Max.115dB at 1m | Max.123dB at 1m | |
| Volume | MP3 | - | - | - | Max.113dB at 1m | Max.120dB at 1m | |
| | Other Sound | - | - | - | - | - | |
| Mo | unting structure | Self stand | |
| | Caple entry | Ø10 | Ø10 | Ø10 | Ø16 | Ø16 | |
| Pr | otection rating | IP55 | IP55 | IP55 | IP65 | IP65 | |
| Мо | ounting location | Indoor Use | Indoor Use | Indoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | |
| Мо | unting direction | Vertical, Horizontal, Reverse vertical | |
| Certificates Customization | | CE | CE | CE | CE | CE | |
| | | External sound pattern signal line | |
| | Transistor | NPN type | |
| | Page | P176-177 | P176-177 | P176-177 | P173-175 | P173-175 | |









| | | | | | • | |
|-------------------|-------------------|--|---|--|---|--|
| Мо | odel number | QWH35 (QWH35B) | QWH50 | QWH35T (QWH35BT) | QWH50T | |
| | Voltage | DC12V-24V AC110V-220V (buzzer type: DC12V, DC24V AC110V-220V) | DC12V-24V AC110V-220V | DC12V-24V AC110V-220V (buzzer type: DC12V, DC24V AC110V-220V) | DC12V-24V AC110V-220V | |
| | Outdia | □136 x 179 | □168 x 222 | □196 x 179 | □229 x 222 | |
| Dimension (mm) | Height | | | | | |
| (11111) | Depth | 128 | 163 | 126 | 163 | |
| | Materials | Horn-PC+ABS Housing-PC+ABS | Horn-PC+ABS Housing-PC+ABS | Horn-PC+ABS Housing-PC+ABS | Horn-PC+ABS Housing-PC+ABS | |
| | High volume buzze | r Max.115dB at 1m | | Max.115dB at 1m | | |
| Sound | 30 Signal Sounds | | | | | |
| & Volume | 31 Signal Sounds | Max.115dB at 1m | Max.123dB at 1m | Max.115dB at 1m | Max.123dB at 1m | |
| | MP3 | Max.112dB at 1m | Max.115dB at 1m | Max.112dB at 1m | Max.115dB at 1m | |
| Mo | unting structure | Wall mount | Wall mount | Wall mount | Wall mount | |
| | Caple entry | PG13.5 | PG13.5 | PG13.5 | PG13.5 | |
| Pr | otection rating | IP66 | IP66 | IP66 | IP66 | |
| Мо | unting location | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | Indoor/Outdoor Use | |
| Моц | ınting direction | Horizontal, Reverse vertical | Horizontal, Reverse vertical | Horizontal, Reverse vertical | Horizontal, Reverse vertical | |
| | Certificates | CE, UL | CE, UL | CE, UL | CE, UL | |
| С | ustomization | External signal line, CAN communication type, Cold resistance type | External signal line, Cold resistance type | External signal line, CAN communication type, Cold resistance type | External signal line, Cold resistance type | |
| | Transistor | NPN type | NPN type | NPN type | NPN type | |
| | Page | P178-183 | P178-183 | P178-183 | P178-183 | |
| | | | | | | |

Reference for Electric Horn, Speaker, Motor Siren, Buzzer Horn/Bell









| Mo | del number | SN-1 | SN | SEHN25 | SEHN50 |
|-------------------|-----------------|---|---|---|---|
| | Voltage | DC12V, DC24V | DC12V-24V | DC12V, DC24V | DC12V, DC24V |
| | Voltage | DC124, DC244 | AC110V, AC220V | AC110V, AC220V | AC110V, AC220V |
| p | Outdia | Ø133(Horn) | Ø119(Horn) | Ø158(Horn) | Ø167(Horn) |
| Dimensior (mm) | n Height | | | | |
| | Length | 141 | 167 | 238 | 242 |
| | Materials | Housing-Steel | Housing-Steel | Housing-Steel | Housing-Steel |
| Sound | 5 Signal Sounds | - | Max.100dB at 1m | Max.115dB at 1m | Max.118dB at 1m |
| & | Voice | - | 92-96dB at 1m | 99-112dB at 1m | 108-118dB at 1m |
| Volume | Other Sound | Max.100dB at 1m | | | |
| Mour | nting structure | Self stand | Self stand | Self stand | Self stand |
| С | aple entry | Ø10 | Ø10 | Ø21 | Ø21 |
| Prot | tection rating | IP55 | IP55 | IP55 | IP55 |
| Mou | nting location | Indoor Use | Indoor Use | Indoor Use | Indoor Use |
| Mour | nting direction | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical |
| С | ertificates | - | CE | - | - |
| Cu | stomization | - | External sound pattern signal line | External sound pattern signal line | External sound pattern signal line |
| 7 | Transistor | - | NPN type | NPN type | NPN type |
| | Page | P172 | P184-185 | P184-185 | P184-185 |









| | | | | - | |
|--------------------|---|---|---|---|--|
| Model number | SM30 | SM40 | SM200 | SM400 | |
| Voltage | DC12V, DC24V AC110V, AC220V | DC12V, DC24V AC110V, AC220V | DC24V AC110V, AC220V | DC24V AC110V, AC220V | |
| Outdia | Ø77 | Ø128 | Ø143 | Ø165 | |
| Dimension Height | - | - | - | - | |
| (mm) Length | DC12/24: 82 AC110/220: 105 | 162 | 231 | 284 | |
| Materials | Housing-Steel | Housing-ABS | Housing-Steel | Housing-Steel | |
| Volume | Max.110dB at 1m | Max.116dB at 1m | Max.120dB at 1m | Max.123dB at 1m | |
| Mounting structure | Self stand | Self stand | Self stand | Self stand | |
| Caple entry | Ø9 | Ø22 | Ø9 | Ø22 | |
| Protection rating | - | - | - | - | |
| Mounting location | Indoor Use | Indoor Use | Indoor Use | Indoor Use | |
| Mounting direction | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | Vertical, Horizontal, Reverse vertical | |
| Certificates | - | - | CE | - | |
| Customization | - | - | - | - | |
| Page | P188 | P188 | P189 | P189 | |
| | | | | | |

SPK













PRODUCT SPECIFICATION

Materials Housing-ABS, Cover-ABS

Ambient operating temperature -25°C to +50°C

Volume Max.90dB at 1m

Protection rating IP23

Compliant with RoHS directive

- Panel mounted speaker that plays 8 clear and periodic sound tones
- General compatibility by adopting general equipment(62×62mm) mount holes
- Allowing volume control without dismantling the device
- Various sound patterns such as warning sound, melodies, and alarms can be chosen depending on the message use case
- Wiring terminal on the back side of the product



SPK

SPK Panel Mounted Speaker, Max.90dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|---------|---------|---|--------------|--------|
| | DC12V | 290mA | | | 0.101 |
| SPK | DC24V | 200mA | · WS-5 Warnings: Max.90dB - · WM-5 Melodies: Max.90dB · WA-5 Alarms: Max.90dB | 0.19kg | |
| | AC110V | 35mA | | | (6 |
| | AC220V | 20mA | - | | 0.21kg |

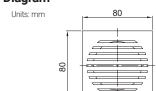


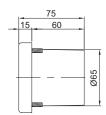
^{*} Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch4.

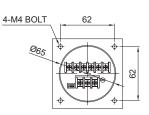


Terminal box for Power and sound (back side)

Technical ·SPK Diagram

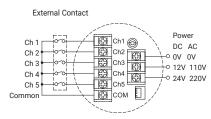


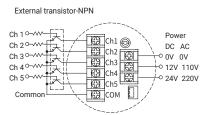




Wiring Instructions

·SPK-DC/AC





Ordering Specification

| SPK | WM | - | 220 |
|----------------|------------|---|------------|
| [Model number] | [Sounds] | | [Voltage] |
| | | | |
| SPK | WS-Warning | | 12-DC12V |
| | WM-Melody | | 24-DC24V |
| | WA-Alarm | | 110-AC110V |
| | | | 220-AC220V |

Customization

· Optional 8 harmonies(standard unit has a single harmony)

CPK-CAN













CPK-CAN



Terminal box for Signal phone for CAN communication panel (back side)

PRODUCT SPECIFICATION

CPK-CAN

Materials ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP65

Volume Max.85dB at 1m

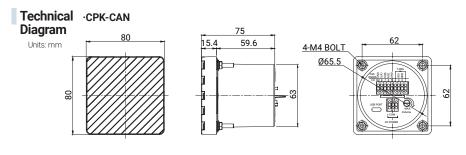
Compliant with RoHS directive

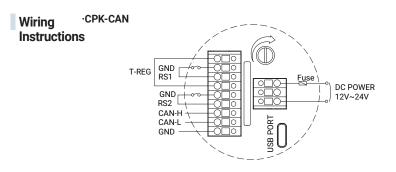
- Panel type signal phone that outputs clear and cheerful 8-48Khz MP3 Audio harmony by applying industrial CAN communication
- Up to 255ea of frame IDs can be set by software manager
- Can select and play 255 songs using CAN communication
- Save MP3 sound source using USB C-TYPE cable
- Supports 128Mbyte storage capacity (File format: FAT)
- Support CAN communication standard format 2.0A, Extended format 2.0B
- Supports 4 communication speeds: 125Kbps, 250Kbps, 500Kbps, 1Mbps

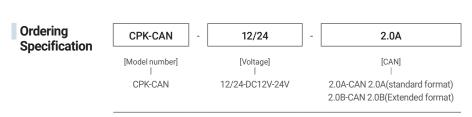
CPK-CAN Signal phone for CAN communication panel, Max.85dB

| Model number | Sound type | Volume | Voltage | Current | Certificates | Weight |
|--------------|--------------------------|----------|-----------|---------------|--------------|--------|
| CPK-CAN | MP3 File (255 Sounds) | Max.85dB | DC12V-24V | Max. 600mA | C€ | 0.21kg |

- DC type model has a free-voltage range of 10V-36V
- * When playing MP3 files, there may be difference of volume depending on user's audio file type.







CPK-IO











PRODUCT SPECIFICATION

Materials ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP65
Volume Max.85dB at 1m

CPK-IO Compliant with RoHS directive

- Panel type signal phone that outputs clear and cheerful 8-48Khz MP3 Audio chords using IO input
- Compatible with NPN and PNP depending on the connection method by using the terminal block for connection on the back of the product
- Plays 255ea of MP3 files with binary input method
- Save MP3 sound source using USB C-TYPE cable



CPK-IO

CPK-IO Signal phone for multi-channel panel

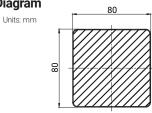
| Model number | Sound type | Volume | Voltage | Current | Certificates | Weight |
|--------------|--------------------------|----------|-----------|---------------|--------------|--------|
| CPK-IO | MP3 File (255 Sounds) | Max.85dB | DC12V-24V | Max. 600mA | C€ | 0.21kg |

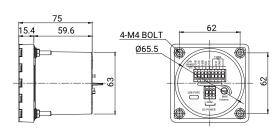
- % When playing MP3 files, there may be difference of volume depending on user's audio file type.



Terminal box for Signal phone panel(back side)

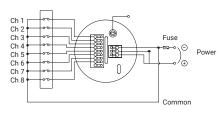
Technical .CPK-IO Diagram



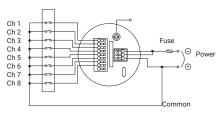


Wiring Instructions

·CPK-IO "-"External Contact

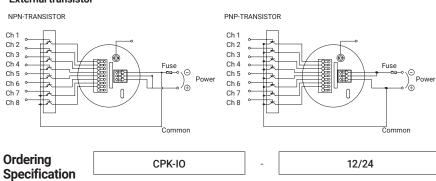


·CPK-IO "+"External Contact



12/24-DC12V-24V

·External transistor



[Model number] | CPK-IO

CPK-RS485













CPK-RS485



Terminal box for Signal phone for RS485 communication panel(back side)

PRODUCT SPECIFICATION

CPK-RS485

Materials ABS

Ambient operating temperature -25°C to +50°C

Volume Max.85dB at 1m **Protection rating** IP65

Compliant with RoHS directive

- Panel type signal phone that outputs clear and cheerful 8-48Khz MP3 Audio harmony by applying industrial RS485 communication
- Up to 255ea of frame IDs can be set by software manager
- Can select and play 255 songs using RS485 communication
- Save MP3 sound source using USB C-TYPE cable
- Supports 128Mbyte storage capacity (File format: FAT)
- Supports 4 communication speeds: 9600bps, 19200bps, 38400bps, 115200bps

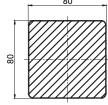
CPK-RS485 Signal phone for RS485 communication panel

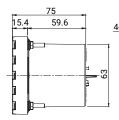
| Model number | Sound type | Volume | Voltage | Current | Certificates | Weight |
|--------------|--------------------------|----------|-----------|---------------|--------------|--------|
| CPK-RS485 | MP3 File (255 Sounds) | Max.85dB | DC12V-24V | Max. 600mA | C€ | 0.21kg |

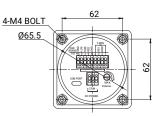
- * When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram -CPK-RS485

Units: mm

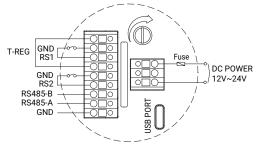






Wiring Instructions

·CPK-RS485



Ordering Specification

CPK-RS485

[Model number]
|
CPK-RS485

12/24

[Voltage]
|
12/24-DC12V-24V

Alarm Bells with Lamp for Vessels and Heavy Industrial Applications

SAB Series









SAB130-Bell housing Ø130mm SAB200-Bell housing Ø200mm

PRODUCT SPECIFICATION

SAB130 | SAB200

Materials Bell-Steel, Housing-ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP44

Standard color Housing-beige, Bell/Lamp-Red Cable entry Ø20

- Electric solenoid bell system provides excellent durability to vibration and shock for vessels and large facilities
- Special material for bell housing provides clear and crisp alarm sound
- Easy wiring and maintenance with terminal box attached
- Lamp attached provides visual signals
- Bell and lamp operation is synchronized. Each function can also operate separately



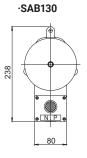
SAB130 (Max.95dB)

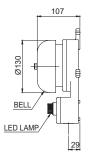
SAB130 / SAB200 Alarm Bells with Lamp for Vessels and Heavy Industrial Applications, Max.95dB

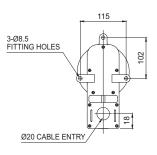
| Model number | Frequency | Volume | Bell diameter | Voltage | Current | Certificates | Weight | Color |
|------------------|---------------|----------|------------------|---------|---------|--------------|------------------|-------|
| | | | | DC24V | 1.3A | | | |
| SAB130 SAB200 | 400 -600Hz | Max.95dB | 130mm 200mm | AC110V | 380mA | C€ | 1.88kg 2.00ka | R-Red |
| | | | | AC220V | 300mA | | 3 | |

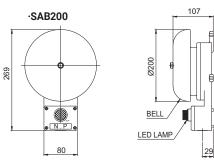
Technical Diagram

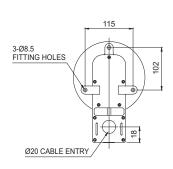
Units: mm













SAB200 (Max.95dB)

Ordering Specification

| SAB200 | - 110 - | CG |
|----------------|--------------------------|------------------------------|
| [Model number] | [Voltage] | [Cable gland] |
| SAB130 | 24-DC24V | None-Back wiring type |
| SAB200 | 110-AC110V 220-AC220V | CG-Built-in cable gland type |

Customization

· Two way cable entries with PG19

QMPS / QMPS-N

Both built-in sounds and option for external sound input via SD card (MP3) have 30 built-in sounds Able to avoid signal confusion with a variety of tone options



QMPS I QMPS-N

- · QMPS(MP3)
- User defined 30 sounds
- 30 built-in sounds
- · QMPS-N(standard unit)
- 30 built-in sounds

PRODUCT SPECIFICATION

QMPS I QMPS-N

Materials Housing-ABS, Cover-ABS

Ambient operating temperature -25°C to +50°C

Volume Max.95dB at 1m

Protection rating IP54

Compliant with RoHS directive

- Can prevent cross talk of different voice environments by selecting an audio signal fit for the specific environment and condition
- Offers both Binary and Bit input mode options with 30 pre-recorded sounds
- Binary input mode has built-in 30 messages that can be played with switch for sound selection
- Bit input mode is organized into 6 groups of 5 sound tones for a total of 30 sound tone options. Playback can be selected from one of the 5 tones in each group (MP3 file with bit input mode)
- Volume adjustment and sound selection switches located inside the unit
- SD card type can play MP3 voice message, user can select and change the sound message after record it
- Customer can choose any built-in sounds among 30 sound tons in case of a standard unit.

User-defined sound(MP3)

· User-defined sound(MP3) type

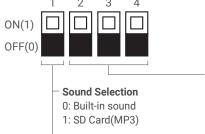


Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity : Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- The maximum speed supported is 10MB/s.

Sound Selection Instruction for SDcard Type

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Bit input mode selection from 6 groups

001: WS(5 Warning sounds)

010: WP(5 Special warning sounds 1st group)

011: WM(5 Melodies)

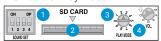
100: WA(5 Alarms)

101: WO(5 Special warning sounds 2nd group)

110: WN(5 Special warning sounds 3rd group)

Function setting

· Standard unit does not support either SD card or Play mode.



Switch for Sound selection

SD card slot for MP3

Switch for play Mode selection

Switch for Volume adjustment

- Standard unit(Built-in sound only)

0:Bit input(Can choose 5 channels per group)

1:Binary(Can choose 30 channels)

- · 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- · External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- \cdot A multi-functional product that can use an SD card for MP3 playback
- · Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per modelst

| | QMPS(MP3) | QMPS-N(standard unit) | Column |
|----------------------------|-----------|-----------------------|---|
| Support SD card(MP3) | 0 | Χ | |
| Support 30 built-in sounds | 0 | 0 | |
| Play mode | 0 | Χ | |
| Bit/Binary input | 0 | 0 | Please refer to sound setup switch manual parts |



















QMPS Panel Mounted Speaker, Max.95dB

| Model number | Voltage | Current | Volume | Input Method /No. of Ch | Certificates | Weight |
|-----------------|-----------------|---------------|---|----------------------------|--------------|--------|
| QMPS | DC12V -24V | Max. 570mA | · SD card · Built-in sound: Max.95dB | ·Bit Input: 5Ch | C€ | 0.35kg |
| SD card | AC110V -220V | Max. 115mA | (Based on Ch17) · MP3: Max.90dB | ·Binary Input: 30Ch | (I) | 0.53kg |

- * When playing MP3 files, there may be difference of volume depending on user's audio file type.
- $\mbox{\%}$ DC type model has a free-voltage range of 10V-30V.
- $\fint AC$ type model has a free-voltage range of 100V-240V.
- % CE compliant: DC12V-24V, UL Listed: DC12V-24V





QMPS

QMPS-N Panel Mounted Speaker, Max.95dB

| Model number | Voltage | Current | Volume | Input Method /No. of Ch | Certificates | Weight |
|--------------------|-----------------|---------------|---|----------------------------|--------------|--------|
| QMPS-N Built-in | DC12V -24V | Max. 380mA | · Built-in standard sound | ·Bit Input: 5Ch | | 0.35kg |
| standard sound | AC110V -220V | Max. 130mA | · Built-in sound: Max.95dB (Based on Ch17) | ·Binary Input: 30Ch | € - | 0.53kg |

- $\ensuremath{\ensuremath{\%}}$ DC type model has a free-voltage range of 10V-30V.
- $\ensuremath{\text{\%}}$ AC type model has a free-voltage range of 100V-240V.
- **%** CE compliant: DC12V-24V

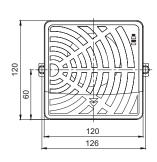


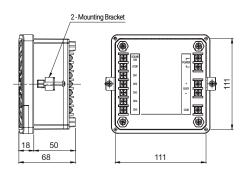
QMPS-N

Technical Diagram

Units: mm

·QMPS / QMPS-N







Terminal block for power and sound(back side)

Ordering Specification

·QMPS

| QMPS | _ | 12/24 | _ | INSD |
|----------------|---|---------------------|---|------------------------|
| [Model number] | | [Voltage] | | [Including SD card] |
| QMPS | | 12/24-DC12V-24V | | None-Without SD card |
| | | 110/220-AC110V-220V | | INSD-Including SD card |

·QMPS-N

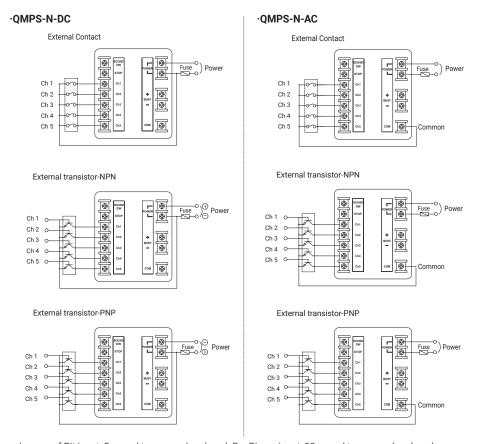


QMPS / QMPS-N

Wiring Instructions

·QMPS-DC ·QMPS-AC External Contact External Contact SOUND DW SOUND DW STOP Ch 1 Ch 1 Active at Busy **(** Active at Busy Ch 2 Ch 2 • Ch 3 **®** Ch 3 Ch 4 500mA Ch 5 Ch 5 Common External transistor-NPN External transistor-NPN SOUND DW o Fuse Power STOP O-STOP O-Fuse Power Ch 1 0-Ch 1 o-Active at Busy Active at Busy **®** Ch 2 o-**®** Ch 3 0-Ch 3 o-0 Ch 4 o-Ch 4 O-Maximum Load 500mA Maximum Load Ch 5 O Ch 5 o-Common **®**[External transistor-PNP External transistor-PNP SOUND DW O-STOP Ch 2 O-Ch 2 O-Active at Busy Active at Busy • 0 Ch 3 0-0 Ch 3 O-(1) Ch 4 O Ch 4 O-Maximum Load 500mA Maximum Load 500mA Common

- · In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- W Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input
 setting(Wiring instruction is replaced to channel selection switch)



 $[\]cdot$ In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.

QAP Series

Wall mount multifunctional electric horn which supports 30 built-in sounds and 30 user defined sounds (MP3)



- · QAP100H / QAP125H(MP3)
- User defined 30 sounds, 30 built-in sounds
- · QAP100H-N / QAP125H-N (standard unit)
- 30 built-in sounds

PRODUCT SPECIFICATION

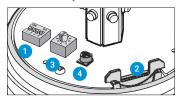
QAP80H | QAP100H | QAP125H QAP100H-N | QAP125H-N

Materials Housing-ABS, Resonance chamber-ABS Ambient operating temperature -25°C to +50°C **Protection rating IP65** Compliant with RoHS directive

- Signal sound diffusing structure with wall mount supports 30 Built-in sounds and 30 user defined sounds
- Volume control and tone selector switches are installed inside the unit (Buzzer type is unsupported)
- User has the ability to enter voice tones directly into the unit via MP3 files from the SD card
- This product has 30 Built-in sounds via binary input mode or bit input mode
- Binary input mode allows the user to select from 30 different sound options with the tone selection switch
- Bit input mode is organized into 6 groups of 5 sound tones for a total of 30 sound tone options. Playback can be selected from one of the 5 tones in each group (MP3 file with bit input mode)
- Supports both SD card and MP3(QAP100H/QAP125H)
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.

Function setting for multifunctional product

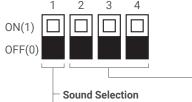
· Standard unit does not support either SD card or Play mode.



- Sound setup switch
- SD Card for MP3 play
- Play mode set up switch
- Volume

Sound Selection Instruction for SDcard Type

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



Bit input mode selection from 6 groups

001: WS(5 Warning sounds)

010: WP(5 Special warning sounds 1st group)

011: WM(5 Melodies)

100: WA(5 Alarms)

101: WO(5 Special warning sounds 2nd group)

110: WN(5 Special warning sounds 3rd group)

User-defined sound(MP3)

· User-defined sound(MP3) type



Customer can create a playlist and grouping conveniently through PC. Product supports up to 32Gbyte.

- Use standard SD card.
- Mini SD or Micro SD also can be used with adaptor.
- SD, SDHC type supported
- Storage capacity: Max.32GB
- The SD card speed is compatible with the following classes: C2, C4, C6, V6, C10, U1, V6, and V10.
- ※ The maximum speed supported is 10MB/s.

0: Built-in sound 1: SD Card(MP3)

Standard unit(Built-in sound only)

0:Bit input(Can choose 5 channels per group)

1:Binary(Can choose 30 channels)

- · 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- · External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- · A multi-functional product that can use an SD card for MP3 playback
- · Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per modelst

| | QAP100H / QAP125H(MP3) | QAP80H / QAP100H-N QAP125H-N(standard unit) | Column |
|----------------------------|---------------------------|--|---|
| Support SD card(MP3) | 0 | Χ | |
| Support 30 built-in sounds | 0 | 0 | |
| Play mode | 0 | X | |
| Bit/Binary input | 0 | 0 | Please refer to sound setup switch manual parts |

QAP Series



QAP80H Electric Horn, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-----------|-----------|--|--------------|--------|
| QAP80H | DC12V-24V | Max.850mA | ·Bit Input: 5Ch ·Binary Input: 30Ch ·Built-in volume : Max.100dB (Based on WM-Ch4) | C€ | 0.51kg |

^{*} DC type model has a free-voltage range of 10V-30V.

QAP100H Electric Horn, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|------------|-----------|---|--------------|--------|
| 0.4.0.1.1 | DC12V-24V | Max.850mA | · Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume | | 0.60kg |
| QAP100H | AC110-220V | Max.175mA | : Max.100dB (Based on WA-Ch4) · MP3: Max.95dB | (€ - | 0.63kg |

 $[\]frak{\%}$ DC type model has a free-voltage range of 10V-30V.

QAP125H Electric Horn, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|------------|-----------|---|--------------|--------|
| 04010511 | DC12V-24V | Max.1A | · Bit Input: 5Ch · Binary Input: 30Ch · Built-in volume | | 0.70kg |
| QAP125H | AC110-220V | Max.190mA | : Max.115dB (Based on WA-Ch4) · MP3: Max.100dB | (€ - | 0.73kg |

| QAP80H | - | 12/24 | - | INSD |
|----------------|---|---------------------|---|------------------------|
| [Model number] | | [Voltage] | | [Including SD card] |
| QAP80H | | 12/24-DC12V-24V | | • |
| QAP100H | | 12/24-DC12V-24V | | None-Without SD card |
| QAP125H | | 110/220-AC110V-220V | | INSD-Including SD card |

 $[\]ensuremath{\,\%\,}$ AC type model has a free-voltage range of 100V-240V.

Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification

^{*} AC type model has a free-voltage range of 100V-240V.

[※] Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound
tone specification

[%] When playing MP3 files, there may be difference of volume depending on user's audio file type.





















QAP100H-N Electric Horn, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|------------|-----------|---|--------------|--------|
| QAP100H-N | DC12V-24V | Max.850mA | · Bit Input: 5Ch · Binary Input: 30Ch | | 0.60kg |
| | AC110-220V | Max.175mA | · Built-in volume : Max.100dB (Based on WA-Ch4) | (€ - | 0.63kg |



QAP100H / QAP100H-N

QAP125H-N Electric Horn, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|------------|-----------|---|--------------|--------|
| QAP125H-N | DC12V-24V | Max.1A | · Bit Input: 5Ch · Binary Input: 30Ch | <i>((</i> | 0.70kg |
| | AC110-220V | Max.190mA | : Built-in volume : Max.115dB (Based on WA-Ch4) | (€ - | 0.73kg |

| QAP100H-N | - | 12/24 |
|----------------|---|---------------------|
| [Model number] | | [Voltage] |
| QAP100H-N | | 12/24-DC12V-24V |
| QAP125H-N | | 110/220-AC110V-220V |

^{*} AC type model has a free-voltage range of 100V-240V.

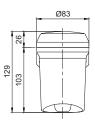
 $[\]fint \fint \fin$

QAP Series

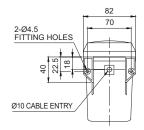
Technical Diagram

Units: mm

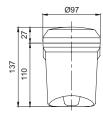
·QAP80H



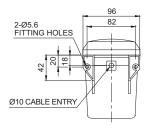




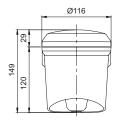
-QAP100H / QAP100H-N





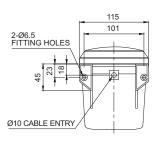


·QAP125H / QAP125H-N



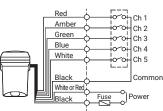


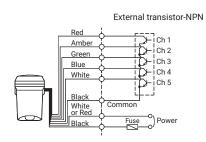
External Contact

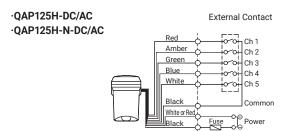


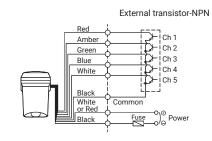
Wiring Instructions

·QAP80H-DC / QAP100H-DC/AC ·QAP100H-N-DC/AC









- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · QAP80H / QAP100H This product can be wired regardless of polarity.
- · QAP125H Black output line is negative(-).
- \cdot In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)













PRODUCT SPECIFICATION

QAP80BZ I QAP100BZ QAP125BZ Materials Housing-ABS, Resonance chamber-ABS
Ambient operating temperature -25°C to +50°C
Protection rating IP65
Compliant with RoHS directive

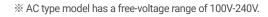
- Signal sound diffusing structure with wall mount supports 30 Built-in sounds and 30 user defined sounds
- Buzzer type siren horn supports Max.105dB- Suitable for applications that require downward audible signals in elevated locations
- Built-in high volume buzzer type



QAP80BZ

QAP80BZ High Siren Buzzer, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|---------|---------|-----------------------------|--------------|--------|
| QAP80BZ — | DC12V | 250mA | ·Buzzer volume | (€ - | 0.54kg |
| | DC24V | 185mA | : Max.105dB | 0.59kg | |





QAP100BZ

QAP100BZ / QAP125BZ High Siren Buzzer, Wall Mount Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|-------------|-----------|-------------------------------|--------------|--------|
| QAP100BZ | DC12V | 250mA | ·Buzzer volume : Max.105dB | | 0.65kg |
| | DC24V | 185mA | | - | |
| | AC110V-220V | Max.100mA | | | 0.68kg |
| | DC12V | 250mA | | 0.75kg | |
| QAP125BZ | DC24V | 185mA | | _ | |
| | AC110V-220V | Max.100mA | | | 0.78kg |

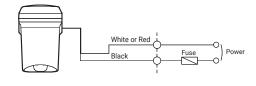
 $[\]ensuremath{\%}$ AC type model has a free-voltage range of 100V-240V.



QAP1250BZ

Wiring Instructions

·QAP80H / QAP100H / QAP125H



- · External Power line UL1015 AWG18(0.75sq) x 2C 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.



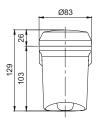
QAP Series' buzzer and electric sound signal is rich and clear because of the way the resonance chamber amplifies the sound.

QAP Series

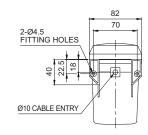
Technical Diagram

Units: mm

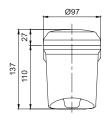
·QAP80BZ



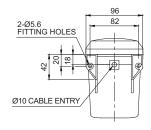




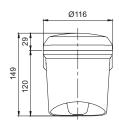
·QAP100BZ



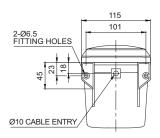




·QAP125BZ







| QAP80BZ | - 24 |
|----------------|---------------------|
| [Model number] | [Voltage] |
| QAP80BZ | 12-DC12V |
| QAI OUDZ | 24-DC24V |
| | |
| QAP100BZ | 12-DC12V |
| QAP125BZ | 24-DC24V |
| | 110/220-AC110V-220V |

S60ADH











PRODUCT SPECIFICATION

S60ADH

Materials ABS

Ambient operating temperature -25°C to +50°C

Sound volume Max.95dB at 1m

Protection rating IP54

Compliant with RoHS directive

- Elegant wall mounted buzzer horn
- Horn resonance structure gives the product low Power consumption and high sound tone
- Cone sound diffusion structure provides wide & excellent signal sound transmission effect



S60ADH

S60ADH Max.95dB, Wall Mounted Buzzer Horn

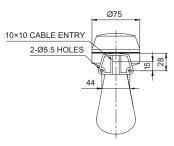
| Model number | Pre-recorded sound | Voltage | Current | Certificates | Weight |
|--------------|--------------------|---------|---------|--------------|--------|
| S60ADH | | DC12V | 80mA | | 0.12kg |
| | ·Buzzer volume | DC24V | 35mA | - (€ | 0.12kg |
| | : Max.95dB | AC110V | 10mA | - (6 | 0.12kg |
| | _ | AC220V | 10mA | | 0.12kg |

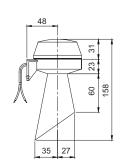
| Pre-recorded sound | Sound pattern | Ch | Volume |
|--------------------|---------------------|-----|----------|
| 1 Buzzer tone | Dududu(Consecutive) | Ch1 | Max.95dB |

Technical Diagram

Units: mm

·S60ADH





Customization

· 105dB strong buzzer type(Model number: S60ADH-HBZ)

| [Voltage] |
|---------------|
| 12-DC12V |
| 24-DC24V |
| 110-AC110V |
| 220-AC220V |
| |

SN-1











SN-1 (100dB)

PRODUCT SPECIFICATION

SN-1

Materials Housing-Steel, Bracket-Steel

Ambient operating temperature -25°C to +50°C

Sound volume Max.100dB at 1m

Protection rating IP54

Housing standard color Red

- 1 warning sound and cost effective model for DC only
- Steel housing provides excellent durability
- Water and dust proof(IP55) structure makes its outdoor installation

SN-1 Small Size Electric Horn, Max.100dB

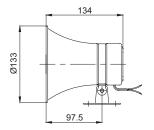
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|---------|---------|-----------------------------|--------------|--------|
| CN 1 | DC12V | 170mA | ·WS-1 Warning sound | | 0.001 |
| SN-1 | DC24V | 220mA | : Max.100dB | - | 0.88kg |

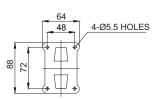
Technical Diagram

Units: mm

·SN-1







Ordering Specification

| SN-1 | |
|----------------|--|
| [Model number] | |
| SN-1 | |

12 [Voltage] | 12-DC12V

24-DC24V

SMP Series



SMP35 / SMP50

- · SMP35/SMP50(MP3)
- User defined 30 sounds, 30 built-in sounds
- · SMP35-N/SMP50-N(standard unit)
- 30 built-in sounds

PRODUCT SPECIFICATION

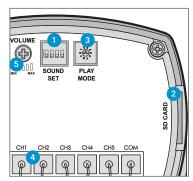
SMP35 | SMP35-N SMP50 | SMP50-N Materials Housing-ABS, Resonance chamber-ABS, Bracket-STS

Ambient operating temperature -25°C to +50°C Protection rating IP65
Compliant with RoHS directive

- Can prevent cross talk of different voice environments by selecting an audio signal fit for the specific environment and condition
- 30 pre-recorded sound type and supports Binary input mode and Bit input mode
- Binary input mode can playback 30 sound tones by using sound tone select switch
- Bit Input Mode classifies 30 pre-recorded sounds into 6 groups of 5 sounds, and selects one group to play 5 sounds (In case of using MP3 files, group selection function is not supported).
- SMP35 model uses 30W and SMP50 model uses high-volume 50W unit. You can select and use proper model depending on installation environment
- Volume adjustment and sound selection switches located inside the unit. SD card in the unit offers convenient operation
- Support MP3 file and user can input user defined sound
- Standard unit choose built-in sound only. It can choose 30 sounds in accordance with the customer's needs.

Channel Input Type of Multifunctional Product

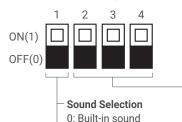
· Standard unit does not support either SD card or Play mode.



- 1 Switch for sound pattern selection
- SD card slot for MP3
- 3 Switch for play mode selection
- 4 Switch for channel selection
- 5 Switch for volume adjustment

Sound Selection Instruction for SDcard Type

- · SD card type unit
- It can choose both built-in sounds and user defined sounds(MP3) by controlling sound setup switch no. 1.
- · Standard unit
- It can choose both Bit input mode and Binary input mode by controlling sound setup switch no. 1.



1: SD Card(MP3)

Bit input mode selection from 6 groups

001: WS(5 Warning sounds)

010: WP(5 Special warning sounds 1st group)

011: WM(5 Melodies)

100: WA(5 Alarms)

101: WO(5 Special warning sounds 2nd group)

110: WN(5 Special warning sounds 3rd group)

- Standard unit(Built-in sound only)

0:Bit input(Can choose 5 channels per group)

1:Binary(Can choose 30 channels)

- · 30 pre-recorded sounds offered(5 warning sounds, 5 special warning sounds 1st group, 5 melodies, 5 alarms, 5 special warning sounds 2nd group, 5 special warning sounds 3rd group)
- · External MP3 sound support(SD card)
- · Binary input: 30 channels
- · Bit input: 5 channels(6 sound groups)
- · A multi-functional product that can use an SD card for MP3 playback
- \cdot Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting.

Features per modelst

| | SMP35/SMP50 (MP3) | SMP35-N/SMP50-N (standard unit) | Column |
|----------------------------|-------------------|------------------------------------|---|
| Support SD card(MP3) | 0 | Χ | |
| Support 30 built-in sounds | 0 | 0 | |
| Play mode | 0 | Χ | |
| Bit/Binary input | 0 | 0 | Please refer to sound setup switch manual parts |

SMP Series

SMP35 / SMP50 Multifunctional Self Stand Type Electric Signal Horn(Supports Warning Sound/MP3)

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-------------|-----------|---|---------------|--------|
| CMPOF | DC12V-24V | Max.760mA | ·Bit Input: 5Ch ·Binary Input: 30Ch | | 0.76kg |
| SMP35 | AC110V-220V | Max.200mA | Built-in sounds: Max.115dB (Based on WS-Ch4)MP3: Max.113dB | — (€ - | 1.03kg |
| ONADEO | DC12V-24V | Max.2.85A | ·Bit Input: 5Ch ·Binary Input: 30Ch | | 0.95kg |
| SMP50 | AC110V-220V | Max.720mA | Built-in sounds: Max.123dB (Based on Ch6)MP3: Max.120dB | | 1.23kg |

[·] Powerful 50W unit can generate high signal sound(SMP50)

SMP35-N / SMP50-N Self Stand Type Electric Signal Horn(Supports Warning Sound)

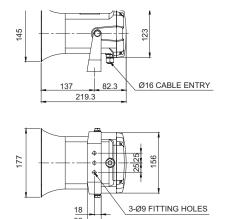
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-------------|-----------|---|---------------|--------|
| CMD25 N | DC12V-24V | Max.680mA | ·Bit Input: 5Ch ·Binary Input: 30Ch | | 0.76kg |
| SMP35-N | AC110V-220V | Max.170mA | Built-in sounds: Max.115dB (Based on WS-Ch4) | | 1.03kg |
| OMDEO N | DC12V-24V | Max.2.85A | ·Bit Input: 5Ch ·Binary Input: 30Ch | — (€ - | 0.95kg |
| SMP50-N | AC110V-220V | Max.720mA | Built-in sounds: Max.123dB (Based on Ch6) | | 1.23kg |

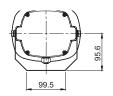
[·] Powerful 50W unit can generate high signal sound(SMP50-N)

Technical Diagram

Units: mm

·SMP35 / SMP50 ·SMP35-N / SMP50-N





 $[\]ensuremath{\,\%\,}$ DC type model has a free-voltage range of 10V-30V.

 $[\]ensuremath{\ensuremath{\%}}$ AC type model has a free-voltage range of 100V-240V.

^{*} When playing MP3 files, there may be difference of volume depending on user's audio file type.

^{*} DC type model has a free-voltage range of 10V-30V.

 $[\]ensuremath{\ensuremath{\%}}$ AC type model has a free-voltage range of 100V-240V.















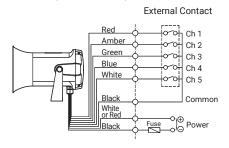


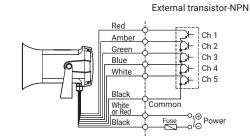


Sound Selection and Wiring Instructions

- · Customized type: Select using the External Contact(LC)
- \cdot You can select the audible sound pattern using External Contacts or transistor with a customized external sound line(Model number: -LC)

·SMP35 / SMP50-DC/AC ·SMP35-N / SMP50-N-DC/AC

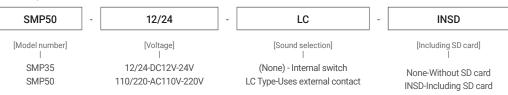




- · DC type : Black output is negative()
- \cdot In case of Bit input, 5 sound tones can be played. For Binary input, 30 sound tones can be played.
- ※ Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch)

Ordering Specification

·SMP35 / SMP50



·SMP35-N / SMP50-N



SRN / SEN15 / SEN25



SRN (Max.108dB)



SEN15 (Max.105dB)



SEN25 (Max.115dB)

PRODUCT SPECIFICATION

SRN | SEN15 | SEN25

Materials ABS

Ambient operating temperature -25°C to +50°C

Protection rating IP55

Standard Color Red

- Cost effective model with high signal sound
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- User defined voice signal type(WV) shall be provided upon request
- Can adjust sound volume with the switch built inside the unit

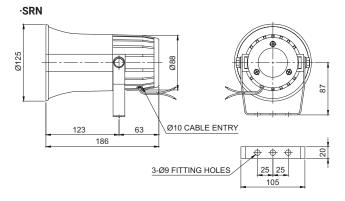
SRN General Electric Horns, Max.108dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------|---------------|---------------|--|--------------|------------------------|
| | DC12V -24V | Max. 410mA | ·WS-5 Warning sounds: Max.108dB ·WM-5 Melodies: Max.108dB ·WA-5 Alarms: Max.105dB ·WV-5 Customizable sounds: 95-102dB | C€ | DC-0.72kg AC-0.98kg |
| SRN | AC110V | 85mA | | | |
| | AC220V | 60mA | | | |

- * DC type model has a free-voltage range of 10V-30V.
- ※ CE compliant: DC12V-24V
- Max.built-in volume feature is based on WS-Ch3 / WM-Ch4 / WA-Ch4.
- % In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.



Units: mm



SEN15 General Electric Horns, Max.105dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-----------|-----------|--|--------------|------------------------|
| | DC12V-24V | Max.400mA | ·WS-5 Warning sounds: Max.105dB | | |
| SEN15 | AC110V | 105mA | ·WM-5 Melodies: Max.105dB ·WA-5 Alarms: Max.105dB | CE | DC-0.76kg AC-1.03ka |
| | AC220V | 55mA | ·WV-5 Customizable sounds: 94-101dB | | 710 1.00kg |

- X DC type model has a free-voltage range of 10V-30V.
- ※ CE compliant: DC12V-24V, AC220V
- * Max.built-in volume feature is based on WS-Ch1 / WM-Ch4 / WA-Ch4.
- ** In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.

SEN25 General Electric Horns, Max.115dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|---------|---------|--|--------------|-------------------------|
| | DC12V | 2A | MO E Marriago de Marriago | | DC- 0.95kg AC-1.23kg |
| OFNOF | DC24V | 1A | ·WS-5 Warning sounds: Max.115dB ·WM-5 Melodies: Max.108dB | C€ | |
| SEN25 | AC110V | 245mA | ·WA-5 Alarms: Max.113dB | | |
| | AC220V | 130mA | ·WV-5 Customizable sounds: 102-115dB | | |

- ※ CE compliant: DC12V, DC24V, AC220V
- Max.built-in volume feature is based on WS-Ch1 / WM-Ch3 / WA-Ch4.
- ※ In case of customized WV 5 tone type, there may be difference of volume depending on user's audio file type.









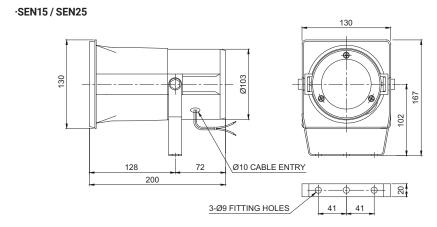
(((5 108dB



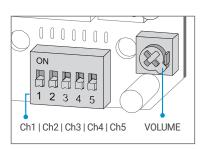


Technical Diagram

Units: mm

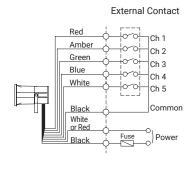


Sound Selection and Wiring Instructions



- · Standard: Internal switch
- \cdot Internal switch allows to choose sound pattern for SRN / SEN15 / SEN25 models
- · External Power line VCTF(0.75sq x 2C) x 400mm
- · External signal line UL1007 AWG22(0.3sq) 400mm
- · This product can be wired regardless of polarity.

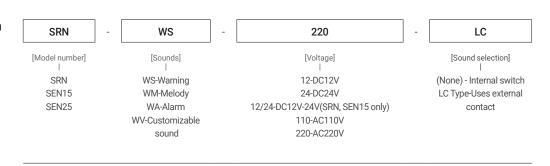
·SRN / SEN15 / SEN25-DC/AC



External transistor-NPN Red Ch 1 Amber Ch 2 Green Ch 3 Blue Ch 4 White Ch 5 Black White or Red Power Black

Customization

- · Customization: Uses External Contact
- · You can select the audible sound pattern using External Contacts or transistor with a customized external sound line (Model number: -LC)
- · Optional 8 harmonies(SRN, SEN15)



QWH Series

Wall mount Electronic Sounder that offers 31 pre-recorded warning sounds and 31 user selected sound messages



- Bit input offers 5 channels with 6 sound outputs
- Binary input offers 31 sound outputs and SD Card (MP3) combination
- · High volume type (buzzer type)

PRODUCT SPECIFICATION

QWH35(SD) | QWH50(SD) QWH35T(SD) | QWH50T(SD) QWH35B | QWH35BT Materials Horn-PC+ABS, Housing-PC+ABS
Ambient operating temperature

- -30°C to +50°C(Standard type/buzzer type)
- -50°C to +50°C(Low temperature type only DC)
- -20°C to +50°C(SD Card type)

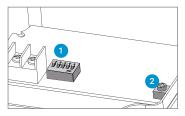
Cable entry PG 13.5

Protection rating IP66

Compliant with RoHS directive

- Signal fit for the specific environment and condition
- Options to select between 31 special warning sounds included in the pre-recorded sound type and SD Card(MP3) type
- Volume adjustment and sound selection switches located inside the unit. SD Card in the unit offers convenient operation.
- SD Card type allows the user to input the proper voice messages for specific operating conditions.
- Built-in special alarm type standard model and MP3(SDcard)
- Supports Binary Input Mode and Bit Input Mode for SD card
- * Bit Input Mode can select and play 5 sounds from No. 1 to No. 5 on MP3 files of SDcard
- Tightly sealed structure that blocks water and dust with IP66 protection rating suitable for outdoor installation
- QWH35T, QWH35TSD, QWH50T, QWH50TSD allow for easy wiring with separate terminal box (Built-in terminal block for wiring inside product)
- High-volume buzzer output(QWH35B,QWH35BT)
- Support for CAN communication type products (Customization: QWH35, QWH35T)

Pre-recorded sound type



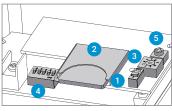
- 1 Sound selection switch
- 2 Volume

Sound Selection and Volume Adjustment Instructions

QWH Series has control switches inside the unit for sound selection and volume adjustment. You can play customized sound message(MP3) with SD Card.

| QWH | Series Product Category |
|-------------|-----------------------------------|
| QWH35(T) | Standard pre-recorded sound type |
| QWH35(T)SD | MP3(SD Card) type |
| QWH50(T) | Standard pre-recorded sound type, |
| QVVI 130(1) | high volume output |
| QWH50(T)SD | MP3(SD Card) type, |
| QWH30(1)3D | high volume output |
| QWH35B(T) | High volume type |
| | |

SD Card (MP3) type



- Sound setting switch
- 2 MP3 playable SD Card slot
- 3 Play mode setting switch
- 4 Sound selection switch
- 5 Volume

sage(MP3) with SD Card.

| The input method of built-in sound type | | | | | | | | | |
|---|---|---|---|---|---|----------------------------|--|--|--|
| ON OFF | 1 | 2 | 3 | 4 | 5 | Select using Selecti | | | |
| No. | 1 | 2 | 3 | 4 | 5 | input n | | | |
| 0 | 0 | 0 | 0 | 0 | 0 | presse | | | |
| 1 | 0 | 0 | 0 | 0 | 1 | switch | | | |
| 2 | 0 | 0 | 0 | 1 | 0 | | | | |
| : | : | : | : | : | : | | | | |
| 31 | 1 | 1 | 1 | 1 | 1 | | | | |

Select from 31 pre-recorded output sound options by using a combination of the 5 channel input switches. Selecting one sound by combining 5 switches is binary input method The binary input method allows you to express each of the 31 alarm sound signals with a "0"or "1"by switching the 5 channels on and off as shown in the table.

Sound selection instruction for SD Card type

· You can select between pre-recorded sound mode and SD Card sound (MP3) mode with the SOUND selection switch.



- · 31 built-in alarm sounds and special sound
- · Supports SD Cards for external sound (MP3)
- · Binary Input: 31Ch
- · Bit Input: 5Ch(SD Card only)
- · Please refer to [Sound pattern and combination for special alarm product] on this catalogue for detailed settings.

Selection between pre-recorded sound mode and SD Card sound mode 0: pre-recorded sound mode

1: SD Card sound mode















(((』 115dB







QWH35 Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.115dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|---|-------------|-----------|--|--------------|--------|
| QWH35 Built-in standard sound QWH35SD MP3 | DC12V-24V | Max.1.15A | ·Bit Input: 5Ch (SD Card) | | 0.001 |
| | AC110V-220V | Max.300mA | ·Binary Input: 31Ch | C E | 0.90kg |
| | DC12V-24V | Max.1.15A | ·Warning sounds: Max.115dB (Based on Ch31) | | 1 001 |
| | AC110V-220V | Max.300mA | ·MP3: Max.112dB | | 1.00kg |

* UL Listed: DC12V-24V

QWH50 Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.123dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|---|-------------|-----------|--|--------------|--------|
| QWH50 Built-in standard sound QWH35SD MP3 | DC12V-24V | Max.3.6A | ·Bit Input: 5Ch (SD Card) | | 0.701 |
| | AC110V-220V | Max.730mA | ·Binary Input: 31Ch | C€ | 2.70kg |
| | DC12V-24V | Max.3.6A | ·Warning sounds: Max.123dB (Based on Ch16) | (UL) | 0.001 |
| | AC110V-220V | Max.730mA | ·MP3: Max.115dB | | 2.80kg |

- % AC type model has a free-voltage range of 100V-240V.
- * UL Listed: DC12V-24V
- $\frak{\%}$ When playing MP3 files, there may be difference of volume depending on user's audio file type.

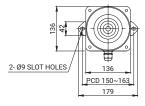
type.

QWH50 Series (Max.123dB)

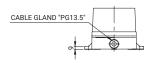
QWH35 Series (Max.115dB)

Technical • QWH35/QWH35SD

Diagram
Units: mm

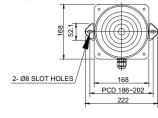


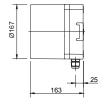


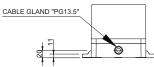




• QWH50/QWH50SD









Wiring Instructions

| QWH50 |] - [| 110/220 | - | LC | - | INSD |
|-----------------------------|-------|---------------------|---|-------------------------------|---|------------------------|
| [Model number] | | [Voltage] | | [sound selection] | | [Including SD card] |
| QWH35 | | 12/24-DC12V-24V | | None-Standard type | | None-Without SD card |
| QWH35SD QWH50 OWH50SD | | 110/220-AC110V-220V | | LC Type-Uses external contact | | INSD-Including SD card |

Customization

- · External threading of signal line for sound selection(Model number: -LC)
- \cdot Support for CAN communication type products(QWH35 DC only)
- · Cold-resistance type(DC type only)

QWH Series

Allows for easy wiring with terminal box and 2 cable gland equipped



QWH35T Series (Max.115dB)



QWH50T Series (Max.123dB)

QWH35T Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.115dB

| Model n | umber | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|----------------------------|-------------|-------------|--|-----------------------------|--------------|--------|
| QWH35T | | DC12V-24V | Max.1.15A | ·Bit Input: 5Ch (SD Card) | | 1 101 |
| Built-in standard sound | | AC110V-220V | Max.300mA | ·Binary Input: 31Ch | C€ | 1.10kg |
| QWH35TSD MP3 | DC12V-24V | Max.1.15A | ·Warning sounds: Max.115dB (Based on Ch31) | (U _L) | 1.15ka | |
| | AC110V-220V | Max.300mA | ·MP3: Max.112dB | | 1.15Kg | |

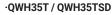
* UL Listed: DC12V-24V

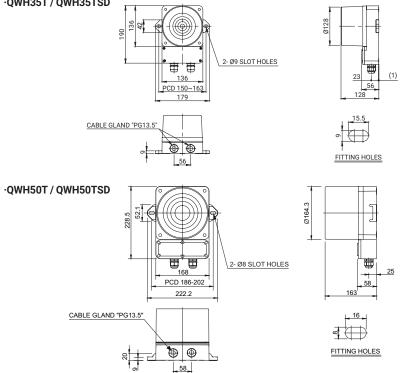
QWH50T Wall Mount Electronic Sounder with Pre-Recorded Special Warning Sound, Max.123dB

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|-----------------------------|-------------|-----------|--|--------------|---------|
| QWH50T Built-in standard | DC12V-24V | Max.3.6A | ·Bit Input: 5Ch (SD Card) | | 2.001.0 |
| sound | AC110V-220V | Max.730mA | ·Binary Input: 31Ch | CE | 3.00kg |
| QWH50TSD | DC12V-24V | Max.3.6A | ·Warning sounds: Max.123dB (Based on Ch16) | (UL) | 2.101.0 |
| MP3 | AC110V-220V | Max.730mA | ·MP3: Max.115dB | | 3.10kg |

- % DC type model has a free-voltage range of 10V-30V.
- AC type model has a free-voltage range of 100V-240V.
- * UL Listed: DC12V-24V
- * When playing MP3 files, there may be difference of volume depending on user's audio file type.

Technical Diagram

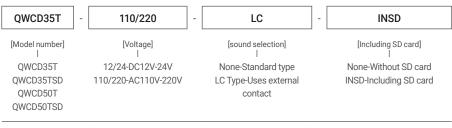


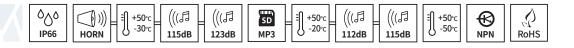


Customization

- · External threading of signal line for sound selection(Model number: -LC)
- · Support for CAN communication type products(QWH35T DC only)
- · Cold-resistance type(DC type only)

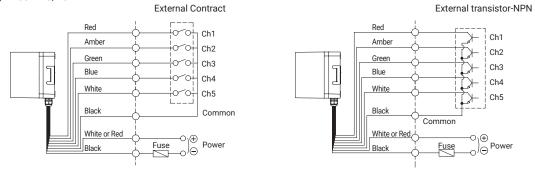
Ordering Specification





Wiring Instructions

- $\cdot \, \text{Standard specification: Uses internal switches} \\$
- · Customization: Uses External Contact
- ·QWH35 / QWH50-DC/AC
- ·QWH35T / QWH50T-DC/AC



- · Channel selection, 5 sounds available with Bit input and 31 sound available with Binary input
- · DC type : Black output line is negative(-)
- ** Please refer to [Sound pattern and combination for multifunctional product] on this catalogue for channel input setting(Wiring instruction is replaced to channel selection switch).

QWH Series



QWH35B (Max.115dB)

QWH35B Wall Mounted Type Electronic Sounder with High Volume, Max.115dB

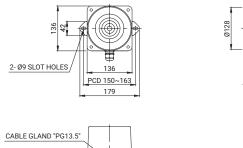
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-------------|-----------|-----------------------------|--------------|--------|
| | DC12V | 385mA | | C€ - | 0.70Kg |
| QWH35B | DC24V | 365mA | ·Buzzer volume | 0.70Kg | |
| _ | AC110V-220V | Max.145mA | | (UL) | 0.81Kg |

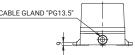
 $[\]ensuremath{\,\%\,}$ AC type model has a free-voltage range of 100V-240V.

Technical Diagram

Units: mm

·QWH35B

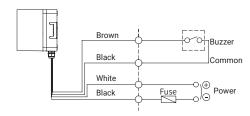






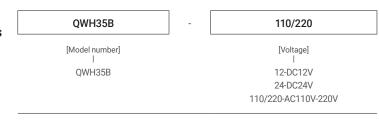
Wiring Instructions

·QWH35B



[·] DC type : Black output line is negative(-)

Wiring Instructions



[%] UL Listed: DC12V-24V













QWH35BT Wall Mounted Type Electronic Sounder with High Volume, Max.115dB

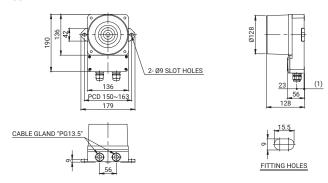
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-------------|-----------|--------------------------------|-------------------|--------|
| _ | DC12V | 385mA | | (€ - | 0.72Kg |
| QWH35BT | DC24V | 365mA | ·Buzzer volume : Max. 115dB | (U _L) | 0.72Kg |
| _ | AC110V-220V | Max.145mA | | QL) | 0.81Kg |

^{*} AC type model has a free-voltage range of 100V-240V.

Technical Diagram

Units: mm

·QWH35BT

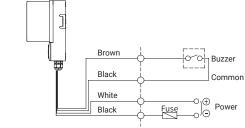




QWH35BT (Max.115dB)

Wiring Instructions

-QWH35BT



· DC type : Black output line is negative(-)

Wiring Instructions

| QWH35BT | _ | 110/220 |
|----------------|---|---------------------|
| [Model number] | | [Voltage] |
| QWH35BT | | 12-DC12V |
| | | 24-DC24V |
| | | 110/220-AC110V-220V |

^{} UL Listed: DC12V-24V**

SN / SEHN25 / SEHN50



SN (Max.100dB)



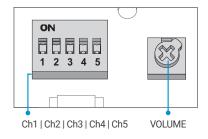
SEHN25 (Max.115dB)



SEHN50 (Max.118dB)

Wiring Instructions

- · Standard specification
- : Uses internal switches
- · When each channel dip switch is on, a related sound will be played



PRODUCT SPECIFICATION

SN | SEHN25 | SEHN50

Materials Housing-Steel, Horn housing -Steel **Ambient operating temperature** -25°C to +50°C

Protection rating IP55
Housing standard color Red

- Steel housing provides excellent vibration and shock resistance under seismic conditions
- A variety of sound selections between warning sounds, alarm sounds, melodies and voice messages to fit your sophisticated application needs
- Can adjust sound volume with the switch built inside the unit

SN Electronic Sounder, Max.100dB Self Stand Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|-----------|-----------|---|--------------|--------|
| | DC12V-24V | Max.265mA | ·WS-5 Warning sounds: Max.98dB | | 0.91kg |
| SN | AC110V | 65mA | ·WM-5 Melodies: Max.98dB ·WA-5 Alarms: Max.100dB | C€ | 1.061 |
| | AC220V | 30mA | ·WV-5 Customizable sounds: 92-96dB | | 1.06kg |

- ※ CE compliant: DC12V-24V, AC220V
- * Max. built-in volume feature is based on WS, WP-Ch3 / WM-Ch4 / WA-Ch4.

SEHN25 Electronic Sounder, Max.115dB Self Stand Type

| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
|--------------|---------|---------|---|--------------|--------|
| | DC12V | 2.2A | - ·WS-5 Warning sounds: Max.115dB | | 0.061 |
| CELINIOE | DC24V | 1A | ·WM-5 Melodies: Max.113dB ·WA-5 Alarms: Max.113dB ·WV-5 Customizable sounds: 99-112dB | | 2.26kg |
| SEHN25 | AC110V | 220mA | | - | 0.401 |
| - | AC220V | 110mA | | 2.48kg | |

- * Max. built-in volume feature is based on WS, WP-Ch1 / WM-Ch5 / WA-Ch2.

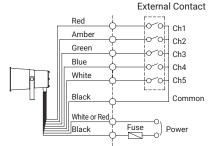
SEHN50 Electronic Sounder, Max.118dB Self Stand Type

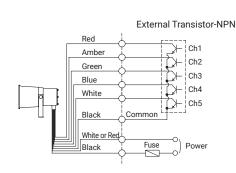
| | | | * | | |
|--------------|---------|---------|--|--------------|---------|
| Model number | Voltage | Current | Sound pattern and volume | Certificates | Weight |
| SEHN50 | DC12V | 2.45A | - ·WS-5 Warning sounds: Max.118dB | | 0.671.0 |
| | DC24V | 1.15A | ·WM-5 Melodies: Max.115dB ·WA-5 Alarms: Max.118dB ·WV-5 Customizable sounds: 108-118dB | | 2.67kg |
| | AC110V | 280mA | | | 0.001 |
| | AC220V | 170mA | | | 3.30kg |

- * Max. built-in volume feature is based on WS, WP-Ch1 / WM-Ch4 / WA-Ch2.
- In case of customized WV 5 tone type, there may be difference of volume depending on user's
 audio file type.
- ※ Please refer to [Sound tone and combination for standard product] on this catalogue for detailed sound tone specification

·SN / SEHN25 / SEHN50-DC/AC

· Customization: Uses external contact(LC)





- · External power line VCTF(0.75sq) x 2C 400mm
- · LC type external signal line UL1007 AWG22(0.3sq) 400mm
- · Product can be wired regardless of polarity.











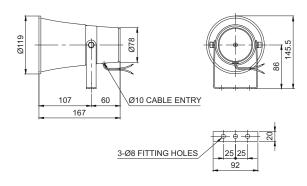
(((后 118dB



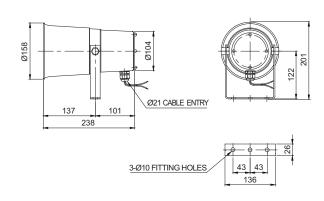
Technical Diagram

Units: mm

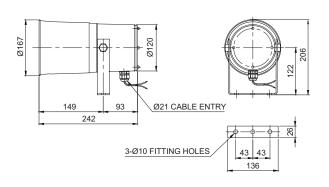
·SN



·SEHN25



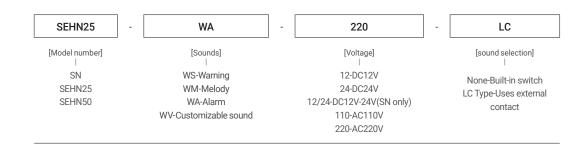
·SEHN50



Customization

· You can select the audible sound pattern using External Contacts or transistor with a customized external sound line. (Model number:-LC)

Ordering Specification



SM30 / SM40











SM30 (Max.110dB)

PRODUCT SPECIFICATION

SM30 | SM40

Materials SM30-Steel, SM40-ABS Ambient operating temperature -25° C to $+50^{\circ}$ C Housing standard color SM30-Red, SM40-Gray Motor RPM SM30-10,000RPM, SM40-7,000RPM Insulation resistance 100MΩ(at 500VDC)

- SM30: Ø80mm compact structure with 110dB sound output
- SM40: Ø100mm compact structure with 116dB sound output

SM40 (Max.116dB)

SM30 Miniature Motor Siren, Max.110dB

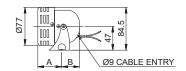
·SM30

| Model number | Volume | Voltage | Current | Certificates | Weight | Rated time |
|-----------------|-------------|---------|---------|--------------|--------|------------|
| | | DC12V | 5A | | 0.22kg | |
| CM20 | May 110dD | DC24V | 3A | | 0.22kg | – 10 min |
| SM30 | Max.110dB - | AC110V | 1.25A | | 0.42kg | 10 111111 |
| | | AC220V | 750mA | | 0.42kg | |

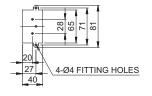
Technical Diagram

Units: mm





| MODEL | A(mm) | B(mm) |
|---------|-------|-------|
| SM30-DC | 47 | 35 |
| SM30-AC | 72.5 | 32 |



Precautions for Use

Continuous operation rating time is 10 mins. Over 10 mins of continuous operation may cause motor damage. Please be careful.

SM40 Miniature Motor Siren, Max.116dB

·SM40

| Model number | Volume | Voltage | Current | Certificates | Weight | Rated time |
|-----------------|--------------------|---------|---------|--------------|--------|---------------|
| | SM40 Max.116dB | DC12V | 4.5A | | 0.53kg | - - 10 min |
| 01/40 | | DC24V | 3A | | 0.53kg | |
| SIVI4U | | AC110V | 1A | | 0.68kg | |
| | | AC220V | 730mA | | 0.68kg | |

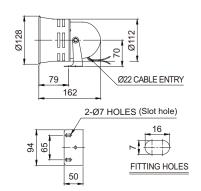
Ordering Specification

| SM30 | - | 24 |
|--|---|---------------|
| [Model number] SM30 SM40 | | [Voltage] |

Technical Diagram

Units: mm





SM200 / SM400









PRODUCT SPECIFICATION

SM200 | SM400

Materials SM200-Steel/AI, SM400-Steel/ABS

Ambient operating temperature -25°C to +50°C

Housing standard color Red

Motor RPM SM200-7 200RPM SM400-7 600RE

Motor RPM SM200-7,200RPM, SM400-7,600RPM Insulation resistance 100M Ω (at 500VDC)

- SM200: Excellent durability and high volume are suitable for noisy environment
- SM400: 123dB high volume model suitable for long-distance audible signal in noisy environments



SM200 (Max.120dB)

SM200 Motor Siren Max.120dB

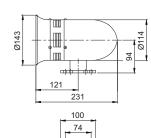
| Model number | Volume | Voltage | Current | Certificates | Weight | Rated time |
|--------------|-----------|---------|---------|--------------|--------|------------|
| | | DC24V | 11A | | 2.19kg | |
| SM200 | Max.120dB | AC110V | 2.85A | CE | 2.55kg | 10 min |
| | | AC220V | 1.5A | | 2.55kg | |

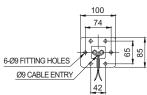
※ CE compliant : DC24V











Precautions for Use

SM400

(Max.123dB)

The rated continuous operation time of motor siren SM200 is 10 minutes, and the rated continuous operation time of SM400 is 3 minutes.

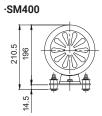
Please be careful as continuous operation outside of the rated time of each motor siren may cause damage to the motor.

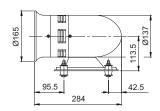
SM400 Motor Siren Max.123dB

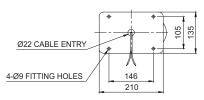
| Model number | Volume | Voltage | Current | Certificates | Weight | Rated time |
|-----------------|-----------|---------|---------|--------------|--------|------------|
| | | DC24V | 5.5A | | 3.19kg | |
| SM400 | Max.123dB | AC110V | 4A | - | 3.75kg | 3 min |
| | | AC220V | 3A | | 3.75kg | _ |

Technical Diagram

Units: mm







Ordering Specification

| SM200 | - | 24 |
|--|---|---------------|
| [Model number] SM200 SM400 | | [Voltage] |

Global Networks





Heavy industry/Ship building/Automotive/Steel/Machinery/Petrochemical/Power plants/Electronics/Semiconductor/Emergency Vehicles

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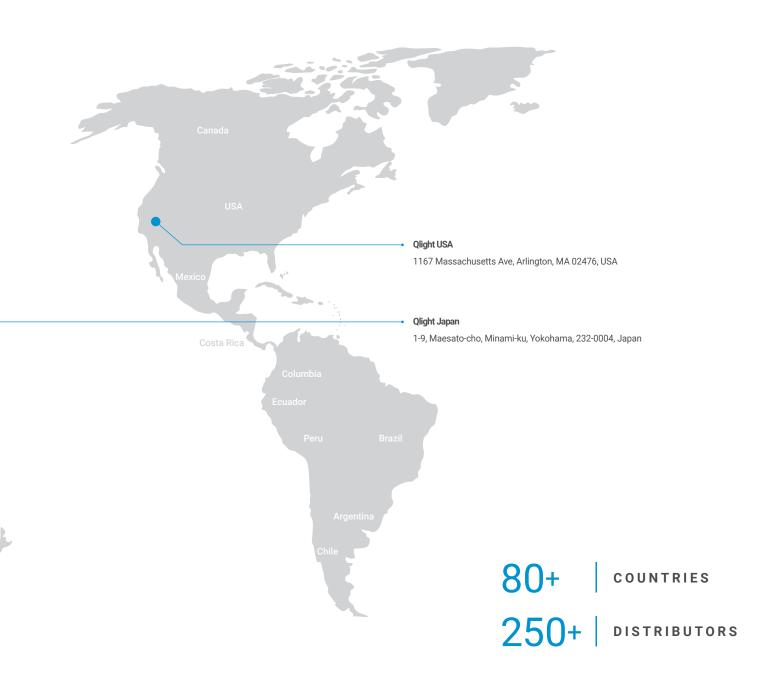








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Gimhae Production Headquarters

Seoul Global Headquarters

Busan Business Center

Qlight China Factory

Technical Certification

Qlight products are designed to meet strict quality and technical standards. Thus, the Qlight brand is widely recognized for its high quality and technical innovations from leading institutions around the world.



ISO

International Organization for Standardization



IECEx

International Explosion Proof Certification(IECEx)



ATEX

The European Regulatory
Framework or Manufacture, Installation
and Use of Equipment in Explosive
Atmospheres



NEPSI

National Center for Explosion Protection and Safety of Instrumentation



NRTL

Certified by designated U.S. laboratory



KCs

Korea safety Certification



TIIS

Technology Institution of Industrial Safety



CCS

China Classification Society



TS

Industrial Safety Technology Institute of Taiwan



FCC

Federal Communications Commision



S-mark

Safety Certification



KC

Korea Certification Mark



CCC

China Compulsory Certificate



CCCF

China Certification Center for Security & Protection



UL

Underwriters Laboratories



CE

European Commission



ICAO

International Civil Aviation Organization



RoHS2

Restriction of Hazardous Substances
Directive

Qlight Catalog Introduction

Qlight produces a wide variety of product categories which offers the customer the ability to select the suitable device for their application needs and environments. There are signal tower lights, Signal Beacons and Sounders, Heavy-Duty and Explosion Proof Signalings, Warning light bars, Aviation Obstruction Lights, Smart Factory Product, Industrial LED lights, and Performance Line - E Series



Signal Tower Lights



Signal Beacons and Sounders



Heavy-Duty and Explosion Proof Signalings



Warning Light Bars



Aviation Obstruction Lights



Smart Factory Product



Industrial LED Lights



Performance Line - E Series

You could download and find the latest Catalog on the Qlight website.

* The latest product information could be accurately checked on the Qlight website (www.qlight.com). Please refer to the user manual attached with the product before installation and use.

www.qlight.com



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